

Monograph of Commission Action

1999 Annual Code Adoption Cycle

NOTE: The Commission will meet on May 24, 2000 at 10:00 a.m. to ratify their actions of the February 28, 2000 meeting. The meeting will be held at the;

Consumer Affairs Building

First Floor Hearing Room,

400 R Street,

Sacramento, CA 95814

BRING THIS DOCUMENT

**May
2000**

**Travis Pitts, Executive Director
California Building Standards Commission
1130 K Street, Suite 101
Sacramento, CA 95814
(916) 323-6363**

MEMBERS OF THE COMMISSION

Aileen Adams, Chair
Fady Mattar, Vice Chair, Mechanical Engineer
Timothy Brink, Licensed Contractor
Sidney Cavanaugh, Organized Labor
Rebecca Geneck, Public Member
Vacant, Public Member

Anthony Sauer, Public Member/Disabled
Vacant, Local Building Official
Steven Winkel, Architect
Jimmy Hill, Local Fire Official
Patrick Buscovich, Structural Engineer

MEMBERS OF THE CODE ADVISORY COMMITTEES

Accessibility Committee

Donald Clark, Chairperson
Cynthia Waddell, Vice Chairperson
Eugene Lozano
Robert Evans
Arnie Hollander
Jay Whisenant
Rocky Burkes
Michael Gibbens
Peter Margen
Ellie Ross

Plumbing, Electrical, Mechanical and Energy Committee

James Barthman, Chairperson
Michael Dillon, Vice Chairperson
Brian Washko
Scott McMillan
Victor Taugher
Thomas Weekes
Anthony Cuschieri
Sidney Cavanaugh
William King
Ellie Ross

Building, Fire and Other Committee

Andrew Adelman, Chairperson
Robert Raymer, Vice Chairperson
Kerwin Lee
Rick Thornberry
Wayne Maynard
Rob McNeill
Susan Miller
Ellie Ross

[A]

Structural Design/Lateral Forces Committee [SDLF]

Ross Cranmer, Chairperson
Perry Haviland, Vice Chairperson
David Bonneville
Kevin Powers
Douglas Krug
Charles Mendenhall
Robert Huber

Health Facilities Committee

[HF]

Jerry Metcalfe, Chairperson
Thomas Trimberger, Vice Chairperson
Robert Macaluso
Lowell Shields
Christopher Lloyd
Jeff Maddox
Michael Navarro
Langston Trigg, Jr.
John Pulcini
Ellie Ross

[PEME]

[BFO]

Monograph of Commission Action

1999 Annual Code Adoption Cycle

NOTE: The Commission will meet on May 24, 2000 at 10:00 a.m. to ratify their actions of the February 28, 2000 meeting. The meeting will be held at the;

Consumer Affairs Building

First Floor Hearing Room,

400 R Street,

Sacramento, CA 95814

BRING THIS DOCUMENT

**May
2000**

**Travis Pitts, Executive Director
California Building Standards Commission
1130 K Street, Suite 101
Sacramento, CA 95814
(916) 323-6363**

MEMBERS OF THE COMMISSION

Aileen Adams, Chair
Fady Mattar, Vice Chair, Mechanical Engineer
Timothy Brink, Licensed Contractor
Sidney Cavanaugh, Organized Labor
Rebecca Geneck, Public Member
Vacant, Public Member

Anthony Sauer, Public Member/Disabled
Vacant, Local Building Official
Steven Winkel, Architect
Jimmy Hill, Local Fire Official
Patrick Buscovich, Structural Engineer

MEMBERS OF THE CODE ADVISORY COMMITTEES

Accessibility Committee

Donald Clark, Chairperson
Cynthia Waddell, Vice Chairperson
Eugene Lozano
Robert Evans
Arnie Hollander
Jay Whisenant
Rocky Burkes
Michael Gibbens
Peter Margen
Ellie Ross

Plumbing, Electrical, Mechanical and Energy Committee

James Barthman, Chairperson
Michael Dillon, Vice Chairperson
Brian Washko
Scott McMillan
Victor Taugher
Thomas Weekes
Anthony Cuschieri
Sidney Cavanaugh
William King
Ellie Ross

Building, Fire and Other Committee

Andrew Adelman, Chairperson
Robert Raymer, Vice Chairperson
Kerwin Lee
Rick Thornberry
Wayne Maynard
Rob McNeill
Susan Miller
Ellie Ross

[A]

Structural Design/Lateral Forces Committee [SDLF]

Ross Cranmer, Chairperson
Perry Haviland, Vice Chairperson
David Bonneville
Kevin Powers
Douglas Krug
Charles Mendenhall
Robert Huber

Health Facilities Committee

[HF]

Jerry Metcalfe, Chairperson
Thomas Trimberger, Vice Chairperson
Robert Macaluso
Lowell Shields
Christopher Lloyd
Jeff Maddox
Michael Navarro
Langston Trigg, Jr.
John Pulcini
Ellie Ross

[PEME]

[BFO]

Preface

California Building Standards Law (Health and Safety Code Section 18929.1) requires State Agencies that propose building standards for adoption in, amendment to, or repeal from the California Building Standards Code (Title 24, California Code of Regulations) to submit the proposed building standards for consideration in an annual code adoption cycle. Building Standards Law, also, requires proposed building standards to undergo a technical review by the Code Advisory Committees appointed by the Commission, and to be noticed in accordance with the Administrative Procedures Act prior to the Commission taking action.

This document shows the action of the California Building Standards Commission on proposed code changes submitted for the 1999 Annual Code Adoption Cycle.

Code changes originally proposed by the state agencies were published in the "Monograph of Code Changes for 1999," May 1999, which was made available to the public for comments. In June 1999, the Code Advisory Committees reviewed the proposed code changes, considered public comments, and suggested recommendations to the proposed code changes. The recommendations of the Code Advisory Committees and the proposed code changes were made available to the public in the "45-Day Public Comment Monograph," September 1999, in accordance with the Administrative Procedures Act. In December 1999, the "Monograph of Public Comments" was made available to the public prior to the Commission taking action on each proposed code change.

This monograph represents the final actions of the Commission at the February 28, 2000 meeting for each proposed code change submitted for the 1999 Annual Code Adoption Cycle.

The Commission regarding any item as printed herein this monograph will hear no new comments or challenges at the May 24, 2000 meeting.

NOTE: The meeting facilities and restrooms are accessible to persons with disabilities. Requests for the following accommodations will be provided by the California Building Standards Commission by calling Ms. Maggie Cummins at (916) 327-6844:

- Assistive listening devices
- Sign Language Interpreters
- Captioning

Requests are to be made no later than May 15, 2000 by 5:00 p.m. The Commission meeting will be at the Consumer Affairs building at 400 R Street, Sacramento, CA 95814. Parking is available in an adjacent parking garage to the Consumer Affairs Building. Metered parking is also available about the building.

If Paratransit services are needed, they may be contacted at (916) 429-2744.

State of California
California Building Standards Commission
1130 K Street, Suite 101 – Sacramento, CA 95814-3965, (916) 323-6363

Suggested Revisions to the California Building Standards Codes

Part 1 – California Administrative Code

Part 2 – California Building Code

Part 3 – California Electrical Code

Part 4 – California Mechanical Code

Part 12 – California Referenced Standards Code

Submittals for 1999 Annual Code Adoption Cycle

OPEN MEETING – WHERE AND WHEN

The “COMMISSION ACTIONS” of the February 28, 2000 meeting are contained within this monograph and will be ratified by the California Building Standards Commission at a public meeting to be held as shown below:

California Building Standards Commission

| When | Where |
|--|---|
| May 24, 2000 10:00 a.m. | Consumer Affairs Building First Floor Hearing Room 400 R Street Sacramento, CA 95814 |

PRESENTATION FORMAT OF GUIDE OF CODE CHANGES

Each proposed Code change is identified by “**ITEM #.**” Each proposed code change retains the same item number until the end of the annual cycle. The item number assists persons in following this process from the beginning to the end.

This Monograph contains the Commission’s amendments for each item number. Regulation text that is shown underlined indicates the Commission’s final action of “Approve As Amended.” Regulation text that is shown as ~~strikeout~~ indicates the Commission’s final action to repealed such text.

May 1999

**Revisions to the California Building Standards Codes
Title 24
California Code of Regulations**

NOTE: It is important to retain this Monograph to assist in identifying the amendments to the California Building Code, Title 24, California Code of Regulations.

Contents

Summary of Building Standards Commission Actioni

PART 1 - CALIFORNIA ADMINISTRATIVE CODE

| | | |
|--------|-------------|--|
| ITEM 1 | OSHDP 9/99 | TESTING, INSPECTION, AND OBSERVATION PROGRAM3 Various Sections 7-141 <i>HF CAC RECOMMENDATION – APPROVED AS AMENDED</i> |
| ITEM 2 | OSHDP 10/99 | FILING FEE/PERSONAL KNOWLEDGE VERIFIED REPORTS14 Amend Sections 7-111, 7-113, 7-151 <i>HF CAC RECOMMENDATION – APPROVED AS SUBMITTED</i> |
| ITEM 3 | OSHDP 4/99 | SIGNING AND PREPARATION OF HOSPITAL DRAWINGS Amend Sections 7-115 <i>HF CAC RECOMMENDATION – FURTHER STUDY</i> |
| ITEM 4 | OSHDP 3/99 | CLASS C HOSPITAL INSPECTOR17 Amend Sections 7-200, 7-204, 7-206 <i>HF CAC RECOMMENDATION – APPROVED AS SUBMITTED</i> |

PART 2 - CALIFORNIA BUILDING CODE

| | | |
|--------|------------|--|
| ITEM 5 | SFM 7/99 | SMOKE BARRIER MEMBRANE21 Amend Section 308.2.2.1 <i>BFO CAC RECOMMENDATION – APPROVED AS SUBMITTED</i> |
| ITEM 6 | OSHDP 6/99 | HOSPITAL PATIENT ROOM WINDOW OPENING22 Amend Section 420A.7 <i>HF CAC RECOMMENDATION – APPROVED AS AMENDED</i> |
| ITEM 7 | OSHDP 7/99 | TRAVEL DISTANCE BETWEEN NURSES' STATION AND PATIENT ROOM23 Amend Section 421A.4 <i>HF CAC RECOMMENDATION – APPROVED AS SUBMITTED</i> |
| ITEM 8 | SFM 8/99 | FIRE ASSEMBLY CLOSING DEVICES24 Amend Section 713.6.1 <i>BFO CAC RECOMMENDATION – APPROVED AS AMENDED</i> |
| ITEM 9 | SFM 6/99 | OPENING REQUIREMENTS IN SMOKE BARRIERS25 Amend Section 905.2.4 <i>BFO CAC RECOMMENDATION – APPROVED AS SUBMITTED</i> |

| | | |
|---------|----------------|--|
| ITEM 10 | SFM 4/99 | INTERIOR ELEVATION CHANGES26 Amend Section 1003.2.6 <i>BFO CAC RECOMMENDATION – APPROVED AS SUBMITTED</i> |
| ITEM 11 | SFM 2/99 | MINIMUM WIDTH OF STAIRS, RAMPS, AND EXIT PASSAGEWAYS27 Amend Sections 1003.3.3.2, 1003.3.3.4.1, 1005.3.4.2, 1007.5.1 <i>BFO CAC RECOMMENDATION – APPROVED AS AMENDED</i> |
| ITEM 12 | SFM 5/99 | MINIMUM WIDTH OF EXTERIOR EXIT BALCONIES28 Amend Section 1006.3.2.2 <i>BFO CAC RECOMMENDATION – APPROVED AS SUBMITTED</i> |
| ITEM 13 | DSAAC 7/99 | FINISH AND CONTRAST OF SIGNS29 Amend Section 1117B.5.5 <i>A CAC RECOMMENDATION – APPROVED AS SUBMITTED</i> |
| ITEM 14 | DSAAC 8/99 | CHARACTER SIZE OF SIGNS30 Amend Section 1117B.5.6 <i>A CAC RECOMMENDATION – APPROVED AS SUBMITTED</i> |
| ITEM 15 | DSAAC 14/99 | TRANSPORTATION FACILITIES New Section 1132B.4 <i>A CAC RECOMMENDATION – WITHDRAWN</i> |
| ITEM 16 | DSAAC 4/99 | EXISTING TOILET FACILITIES31 New Section 1134B.2.3 <i>A CAC RECOMMENDATION – APPROVED AS AMENDED</i> |
| ITEM 17 | OSHDP 1/99 | SEISMIC DESIGN PROVISIONS FOR REINFORCED COCNRETE33 Various Sections <i>SDLF CAC RECOMMENDATION – APPROVED AS SUBMITTED</i> |
| ITEM 18 | DGSRES 1/99 | SEISMIC RETROFIT STANDARDS FOR CONCRETE AND REINFORCED MASONRY BUILDINGS New Section 1640A <i>SDLF CAC RECOMMENDATION - (Postponed)</i> |
| ITEM 19 | OSHDP 13/99 | |
| | SUB-ITEM 19-1 | REVIEWING STANDS, GRANDSTANDS, AND BLEACHERS35 Repeal Section 1609B.6 <i>SDLF CAC RECOMMENDATION – APPROVED AS SUBMITTED</i> |
| | SUB-ITEM 19-2 | TESTING AND INSPECTION35 Amend Sections 1612B.3, 1701B.1, 1703B <i>SDLF CAC RECOMMENDATION – APPROVED AS SUBMITTED</i> |
| | SUB-ITEM 19-3 | BRACED SPACING – DUCTWORK, PIPING AND CONDUIT35 Amend Section 1630B.6 <i>SDLF CAC RECOMMENDATION – APPROVED AS SUBMITTED</i> |

PART 3 - CALIFORNIA ELECTRICAL CODE

| | | |
|---------|------------|---|
| ITEM 20 | BSC 1/99 | 1999 NATIONAL ELECTRICAL CODE39 <i>PEME CAC RECOMMENDATION – APPROVED AS SUBMITTED</i> |
| ITEM 21 | DSASS 2/99 | 1999 NATIONAL ELECTRICAL CODE41 <i>PEME CAC RECOMMENDATION – APPROVED AS SUBMITTED</i> |
| ITEM 22 | DSAAC 1/99 | 1999 NATIONAL ELECTRICAL CODE43 <i>PEME CAC RECOMMENDATION – APPROVED AS SUBMITTED</i> |
| ITEM 23 | HCD 2/99 | 1999 NATIONAL ELECTRICAL CODE44 <i>PEME CAC RECOMMENDATION – APPROVED AS SUBMITTED</i> |
| ITEM 24 | OSHDP 2/99 | 1999 NATIONAL ELECTRICAL CODE52 <i>PEME CAC RECOMMENDATION – APPROVED AS AMENDED</i> |
| ITEM 25 | SFM 1/99 | 1999 NATIONAL ELECTRICAL CODE <i>PEME CAC RECOMMENDATION – (Postponed)</i> |

| | | |
|---------|----------------------|---|
| ITEM 26 | SFM 3/99 HCD 3/99 | ELECTRICAL VEHICLE.....58 Amend Article 625.1 <i>PEME CAC RECOMMENDATION – APPROVED AS AMENDED</i> |
| ITEM 27 | OSHDP 12/99 | REGULATORY REFORM.....63 |
| | SUB-ITEM 27-1 | SENSOR OPERATED FIXTURES63 Amend Section 517-33 and 517-43 <i>PEME CAC RECOMMENDATION – APPROVED AS SUBMITTED</i> |
| | SUB-ITEM 27-2 | KITCHEN EXHAUST HOOD63 Repeal Section 410.2 <i>PEME CAC RECOMMENDATION – APPROVED AS SUBMITTED</i> |
| | SUB-ITEM 27-3 | MEDICAL GAS PIPING Repeal CMC Section 1407 & Adopt CPC Section 319.0 <i>PEME CAC RECOMMENDATION – (Postponed)</i> |
| | SUB-ITEM 27-4 | REFRIGERANT Amend Table 11-A and 11-B <i>PEME CAC RECOMMENDATION – FURTHER STUDY</i> |
| | SUB-ITEM 27-5 | PLUMBING FIXTURE COUNT63 Adopt New Section 413.1a <i>PEME CAC RECOMMENDATION – APPROVED AS SUBMITTED</i> |

PART 4 - CALIFORNIA MECHANICAL CODE

| | | |
|---------|-------------|---|
| ITEM 28 | OSHDP 5/99 | HEATING/COOLING RANGE REQUIREMENTS FOR CYSTOSCOPY AND CARDIAC CATHERIZATION LABS67 Amend Table 315 <i>PEME CAC RECOMMENDATION – APPROVED AS SUBMITTED</i> |
| ITEM 29 | OSHDP 8/99 | VENTILATION SUPPLY AND RETURN LOCATIONS CYSTOSCOPY AND CARDIAC CATHERIZATION LABS68 Amend Section 406 <i>PEME CAC RECOMMENDATION – APPROVED AS SUBMITTED</i> |
| ITEM 30 | OSHDP 11/99 | AIR PRESSURE AND VENTILATION REQUIREMENTS MAGNETIC IMAGING RESONANCE ROOMS69 Amend Table 4-A <i>PEME CAC RECOMMENDATION – APPROVED AS SUBMITTED</i> |

PART 5 - CALIFORNIA PLUMBING CODE

| | | |
|---------|----------|--|
| ITEM 31 | HCD 1/99 | CPVC PIPE FOR WATER DISTRIBUTION WITHIN RESIDENTIAL BUILDINGS Amend Section 604.1 <i>PEME CAC RECOMMENDATION – (Postponed)</i> |
|---------|----------|--|

BLANK PAGE

LEGEND

Identification of Code Change Format

In keeping with the established format, each code change is identified by a nine-part designation as follows:

- (1) Item Number
- (2) Approved As Submitted
- (3) Proposing State Agency
- (4) Submittal Number
- (5) Year Submitted (followed by the letter P if a Petition)
- (6) Part and/or Chapter or Article
- (7) Petition Note (when applicable)

For Example:

(1) ITEM 3 (2) Approved As Submitted
(3) SFM (4) 2/ (5) 99P
(6) Part 2, Chapter 10
(7) Petition Note:

The above reference would refer to an amendment of:

- (1) Item 3 of the Monograph;
- (2) Indicates the approval actions of the Commission;
- (3) Proposing state agency initials, SFM;
- (4) Second code change submitted by the agency in the current cycle, 2;
- (5) Submitted due to a Petition for 1999P;
- (6) Part 2 and Chapter 10 affected;
- (7) Note: indicating this code change is in response to a code change petition, identifying petitioner.

Legend of the Adopting State Agencies and Agency Contact Person

| | | |
|--------------|--|----------------|
| CBSC | California Building Standards Commission Leslie Williams..... | (916) 323-0118 |
| HCD | Department of Housing and Community Development Bruce McKarley..... | (916) 324-4907 |
| DSAAC | Division of the State Architect Access Compliance Michael Mankin | (916) 445-5753 |
| DSASS | Division of the State Architect Structural Safety Richard Conrad..... | (916) 324-7180 |
| OSHPD | Office of Statewide Health Planning & Development Sue Botelho | (916) 654-2012 |
| SFM | State Fire Marshal John Guhl | (916) 445-8421 |

BLANK PAGE

SUMMARY OF BUILDING STANDARDS COMMISSION ACTION

| ITEM NUMBER & DESCRIP- TION | CBSC FINAL ACTION TO ITEM | | | | CHALLENGE(S) TO PROPOSED CODE CHANGE AS NOTICED DURING 45 DAY COMMENT PERIOD | CBSC ACTION TO 45 DAY CHALL'G | | | | CAC RECOMMEND- ATION TO ITEM | CBSC ACTION ON CAC RECOM'D | | | | CHALLENGE TO THE CAC RECOMMEND- ATION | CBSC ACTION ON CAC CHALL'G | | | |
|---|------------------------------------|---|---|---|--|--|---|---|---|--|-------------------------------------|---|---|---|---|-------------------------------------|---|---|---|
| | A | D | A | F | | A | D | A | F | | A | D | A | F | | A | D | A | F |
| ITEM 1 OSHDP 9/99 Amend various sections of Part 1, Title 24 Chapter 7 Testing, Inspection & Observation Program | | | X | | | | | | | Health Facilities- Code Advisory Committee recommendation: APPROVE | X | | | | COMMENT 1 (pg. 3): Kurt Schaefer (OSHDP) Does not agree with the CAC recommendation. OSHDP has submitted additional amendments to this item. OSHDP is requesting: APPROVE AS AMENDED | X | | | |
| | | | | | | | | | | | | | | | COMMENT 2 (pg. 3): Ms. Brenda Pickern does not agree with the CAC recommendation based on 9PT. Criteria No. 1,2,3,5,9. Ms. Pickern is requesting: DISAPPROVAL | | X | | |
| ITEM 2 OSHDP 10/99 Amend Part 1, Chapter 7 Filing Fees & Personal. Know- ledge Reports | X | | | | | | | | | Health Facilities- Code Advisory Committee recommendation : APPROVE | X | | | | COMMENT 1 (pg. 5): Ms. Brenda Pickern does not agree with the CAC recommendation based on 9PT. Criteria No. 9. Ms. Pickern is requesting: FURTHER STUDY | X | | | |

| ITEM NUMBER & DESCRIP- TION | CBSC FINAL ACTION TO ITEM | | | | CHALLENGE(S) TO PROPOSED CODE CHANGE AS NOTICED DURING 45 DAY COMMENT PERIOD | CBSC ACTION TO 45 DAY CHALL'G | | | | CAC RECOMMEND- ATION TO ITEM | CBSC ACTION ON CAC RECOM'D | | | | CHALLENGE TO THE CAC RECOMMEND- ATION | CBSC ACTION ON CAC CHALL'G | | | |
|---|------------------------------------|---|---|---|--|--|---|---|---|--|-------------------------------------|---|---|---|---|-------------------------------------|---|---|---|
| | A | D | A | F | | A | D | A | F | | A | D | A | F | | A | D | A | F |
| ITEM 3 OSHDP 4/99 Amend Part 1, Chapter 7 Signing & Preparation of Hospital Drawings | | | | X | | | | | | Health Facilities- Code Advisory Committee recommendation : APPROVE | | | | X | COMMENT 1 (pg. 6): Ms. Brenda Pickern does not agree with the CAC recommendation based on 9PT. Criteria No. 1,2,3,5,9. Ms. Pickern is requesting: FURTHER STUDY | X | | | |
| ITEM 4 OSHDP 3/99 Amend Part 1, Chapter 7 Class "C" Hospital Inspector | X | | | | | | | | | Health Facilities- Code Advisory Committee recommendation : APPROVE | X | | | | COMMENT 1 (pg. 7): Ms. Brenda Pickern does not agree with the CAC recommendation based on 9PT. Criteria No. 1,2,3,5,9. Ms. Pickern is requesting: FURTHER STUDY | | X | | |
| ITEM 5 SFM 7/99 Amend Part 2, Chapter 3 Smoke Barrier Membrane | X | | | | | | | | | Building Fire & Other Code Advisory Committee recommendation : APPROVE | X | | | | COMMENT 1 (pg. 11): Ms. Brenda Pickern does not agree with the CAC recommendation. (No reason provided) Ms. Pickern is requesting: FURTHER STUDY | X | | | |

| ITEM NUMBER & DESCRIP- TION | CBSC FINAL ACTION TO ITEM | | | | CHALLENGE(S) TO PROPOSED CODE CHANGE AS NOTICED DURING 45 DAY COMMENT PERIOD | CBSC ACTION TO 45 DAY CHALL'G | | | | CAC RECOMMEND- ATION TO ITEM | CBSC ACTION ON CAC RECOM'D | | | | CHALLENGE TO THE CAC RECOMMEND- ATION | CBSC ACTION ON CAC CHALL'G | | | |
|---|------------------------------------|---|---|---|--|--|---|---|---|--|-------------------------------------|---|---|---|---|-------------------------------------|---|---|---|
| | A | D | A | F | | A | D | A | F | | A | D | A | F | | A | D | A | F |
| ITEM 6 OSHDP 6/99 Amend Part 2, Chapter 4 Hospital Patient Room- Window Opening for Natural Ventilation | | | X | | | | | | | Health Facilities- Code Advisory Committee recommendation : Further Study | X | | | | COMMENT 1 (pg. 12): Kurt Schaefer (OSHDP) Does not agree with the CAC recommendation. OSHDP has submitted additional amendments to this item, Section 420A.7.1. OSHDP is requesting: APPROVE AS AMENDED | X | | | |
| | | | | | | | | | | | | | | | COMMENT 2 (pg. 12): Kurt Schaefer (OSHDP) Does not agree with the CAC recommendation. OSHDP has submitted additional amendments to this item, Section 420A.7.2. OSHDP is requesting: APPROVE AS AMENDED | X | | | |
| ITEM 7 OSHDP 7/99 Amend Part 2, Chapter 4 Travel Distance Between Nurses Stations & Patient Rooms | X | | | | | | | | | Health Facilities- Code Advisory Committee recommendation : APPROVE | X | | | | COMMENT 1 (pg. 14): Ms. Brenda Pickern does not agree with the CAC recommendation based on 9PT. Criteria No. 1,2,3,5,9. Ms. Pickern is requesting: FURTHER STUDY | | X | | |

| ITEM NUMBER & DESCRIP- TION | CBSC FINAL ACTION TO ITEM | | | | CHALLENGE(S) TO PROPOSED CODE CHANGE AS NOTICED DURING 45 DAY COMMENT PERIOD | CBSC ACTION TO 45 DAY CHALL'G | | | | CAC RECOMMEND- ATION TO ITEM | CBSC ACTION ON CAC RECOM'D | | | | CHALLENGE TO THE CAC RECOMMEND- ATION | CBSC ACTION ON CAC CHALL'G | | | |
|---|------------------------------------|---|---|---|--|--|---|---|---|---|-------------------------------------|---|---|---|---|-------------------------------------|---|---|---|
| | A | D | A | F | | A | D | A | F | | A | D | A | F | | A | D | A | F |
| ITEM 8 SFM 8/99 Amend Part 2, Chapter 3 Fire Assembly Closing Devices | | | X | | | | | | | Building, Fire & Other Code Advisory Committee recommendation: APPROVE AS AMENDED | X | | | | COMMENT 1 (pg. 15): John Guhl, Deputy State Fire Marshal (SFM) does not agree with the CAC recommendation of “ Approve. ” The SFM is requesting additional amendments to this item. COMMENT 2 (pg. 12): Mr. Manny Muniz on behalf of CAFAA does not agree with the CAC recommendation of “ Approve. ” Mr. Muniz is requesting additional comments to this item. Mr. Muniz is requesting: APPROVED AS AMENDED NOTE: Mr. Muniz withdrew this comment at the February 29, 2000 Regular Commission Meeting | X | | | |

| ITEM NUMBER & DESCRIPTION | CBSC FINAL ACTION TO ITEM | | | | CHALLENGE(S) TO PROPOSED CODE CHANGE AS NOTICED DURING 45 DAY COMMENT PERIOD | CBSC ACTION TO 45 DAY CHALL'G | | | | CAC RECOMMEND- ATION TO ITEM | CBSC ACTION ON CAC RECOM'D | | | | CHALLENGE TO THE CAC RECOMMEND- ATION | CBSC ACTION ON CAC CHALL'G | | | |
|---|------------------------------------|---|---|---|--|--|---|---|---|--|-------------------------------------|---|---|---|--|-------------------------------------|---|---|---|
| | A | D | A | F | | A | D | A | F | | A | D | A | F | | A | D | A | F |
| ITEM 9 SFM 6/99 Amend Part 2, Chapter 9 Opening Req'mts in Smoke Barriers | X | | | | NO COMMENTS | | | | | Building, Fire & Other Code Advisory Committee recommendation: APPROVE | | | | | | | | | |
| ITEM 10 SFM 4/99 Amend Part 2, Chapter 10 Interior Elevation Changes | X | | | | NO COMMENTS | | | | | Building, Fire & Other Code Advisory Committee recommendation: APPROVE | | | | | | | | | |
| ITEM 11 SFM 2/99 Amend part 2, Chapter 10 Min. Width of Stairs, Ramps & Exit Passage- ways | | | X | | NO COMMENTS | | | | | Building, Fire & Other Code Advisory Committee recommendation: APPROVE | | | | | | | | | |
| ITEM 12 SFM 5/99 Amend Part 2, Chapter 10 Min. Width of Exterior Exit Balconies | X | | | | NO COMMENTS | | | | | Building, Fire & Other Code Advisory Committee recommendation: APPROVE | | | | | | | | | |

| ITEM NUMBER & DESCRIP- TION | CBSC FINAL ACTION TO ITEM | | | | CHALLENGE(S) TO PROPOSED CODE CHANGE AS NOTICED DURING 45 DAY COMMENT PERIOD | CBSC ACTION TO 45 DAY CHALL'G | | | | CAC RECOMMEND- ATION TO ITEM | CBSC ACTION ON CAC RECOM'D | | | | CHALLENGE TO THE CAC RECOMMEND- ATION | CBSC ACTION ON CAC CHALL'G | | | |
|--|------------------------------------|---|---|---|--|--|---|---|---|---|-------------------------------------|---|---|---|--|-------------------------------------|---|---|---|
| | A | D | A | F | | A | D | A | F | | A | D | A | F | | A | D | A | F |
| ITEM 13 DSA/AC 7/99 Amend Part 2, Chapter 11 Finish & Contrast of Signs | X | | | | NO COMMENTS | | | | | Accessibility Code Advisory Committee recommendation: APPROVE | | | | | | | | | |
| ITEM 14 DSA/AC 8/99 Amend Part 2, Chapter 11 Character Size of Signs | X | | | | NO COMMENTS | | | | | Accessibility Code Advisory Committee recommendation: APPROVE | | | | | | | | | |
| ITEM 15 WITH- DRAWN | | | | | | | | | | | | | | | | | | | |

| ITEM NUMBER & DESCRIP- TION | CBSC FINAL ACTION TO ITEM | | | | CHALLENGE(S) TO PROPOSED CODE CHANGE AS NOTICED DURING 45 DAY COMMENT PERIOD | CBSC ACTION TO 45 DAY CHALL'G | | | | CAC RECOMMEND- ATION TO ITEM | CBSC ACTION ON CAC RECOM'D | | | | CHALLENGE TO THE CAC RECOMMEND- ATION | CBSC ACTION ON CAC CHALL'G | | | |
|---|------------------------------------|---|---|---|--|--|---|---|---|--|-------------------------------------|---|---|---|--|-------------------------------------|---|---|---|
| | A | D | A | F | | A | D | A | F | | A | D | A | F | | A | D | A | F |
| ITEM 16 DSA/AC 4/99 Amend Part 2, Chapter 11B Existing Toilet Facilities | | | X | | | | | | | Accessibility Code Advisory Committee recommendation: APPROVE | X | | | | COMMENT 1 (pg. 18): Mr. Arnie Hollander does not agree with the CAC recommendation of "Approve." Mr. Hollander is requesting additional amendments to this item. Mr. Hollander is requesting: APPROVED AS AMENDED | | | X | |
| | | | | | | | | | | | | | | | | X | | | |
| | | | | | | | | | | | | | | | | | | | |

| ITEM NUMBER & DESCRIPTION | CBSC FINAL ACTION TO ITEM | | | | CHALLENGE(S) TO PROPOSED CODE CHANGE AS NOTICED DURING 45 DAY COMMENT PERIOD | CBSC ACTION TO 45 DAY CHALL'G | | | | CAC RECOMMEND- ATION TO ITEM | CBSC ACTION ON CAC RECOM'D | | | | CHALLENGE TO THE CAC RECOMMEND- ATION | CBSC ACTION ON CAC CHALL'G | | | |
|---|------------------------------------|---|---|---|--|--|---|---|---|---|-------------------------------------|---|---|---|--|-------------------------------------|---|---|---|
| | A | D | A | F | | A | D | A | F | | A | D | A | F | | A | D | A | F |
| ITEM 17 OSHDPD 1/99 Amend Part 2, Chapters 16 & 19 Seismic Design for Rein- forced Concrete | X | | | | NO COMMENTS | | | | | Structural Design & Lateral Forces Code Advisory Committee recommendation: APPROVE | | | | | | | | | |
| ITEM 18 DSA/SS 1/99 (DGS/ RESD) Amend Part 2, by adding a new Chapter 1640A Seismic Retrofit Standards for Concrete & Rein- forced Masonry Buildings | | | | | COMMENTS 2 – 8 (pg.s 21 – 30): The following interested parties have all expressed that they are requesting: APPROVE AS AMENDED BY CAC & DISAPPROVE AS SUBMITTED BY DSA <ul style="list-style-type: none"> • Ken Cleavelan d (BOMA) • Arnie Hollander • Kurt Schaefer (OSHDPD) • Robert Raymer (CBIA) • Kurt Cooknick (AIA) • Don Perry (CTCA) • Rex Hime (CBPA) | | | | | Structural Design & Lateral Forces Code Advisory Committee Recommendation: APPROVE AS AMENDED | | | | | COMMENT 1 (pg. 20): Fred Hummel, (DSA) does not agree with the CAC recommendation of “ Approve As Amended. ” Mr. Hummel is requesting: APPROVED AS AMENDED With the inclusion of the CAC recommendation that hospitals are to be exempted from these requirements. | | | | |

| ITEM NUMBER & DESCRIP- TION | CBSC FINAL ACTION TO ITEM | | | | CHALLENGE(S) TO PROPOSED CODE CHANGE AS NOTICED DURING 45 DAY COMMENT PERIOD | CBSC ACTION TO 45 DAY CHALL'G | | | | CAC RECOMMEND- ATION TO ITEM | CBSC ACTION ON CAC RECOM'D | | | | CHALLENGE TO THE CAC RECOMMEND- ATION | CBSC ACTION ON CAC CHALL'G | | | |
|--|------------------------------------|---|---|---|--|--|---|---|---|--|-------------------------------------|---|---|---|---|-------------------------------------|---|---|---|
| | A | D | A | F | | A | D | A | F | | A | D | A | F | | A | D | A | F |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | COMMENT 9 (pg. 30): Mr. John Laws (SEAOC) does not agree with the CAC recommendation of "Approve As Amended." Mr. Laws is requesting that additional amendments be made to this item. Mr. Laws is requesting: APPROVED AS AMENDED based on DSA's original submittal." | | | | |
| ITEM 19-1 OSHDP 13/99 Repeal section 1609B.6, Amend section various sections Reviewing Stands, Grandstands and Bleachers | X | | | | NO COMMENTS | | | | | Structural Design & Lateral Forces Code Advisory Committee recommendation: APPROVE | | | | | | | | | |
| ITEM 19-2 OSHDP 13/99 Amend Part 2, Sections 1612B.3, 1701B.1, 1703B Testing and Inspection | X | | | | NO COMMENTS | | | | | Structural Design & Lateral Forces Code Advisory Committee recommendation: APPROVE | | | | | | | | | |

| ITEM NUMBER & DESCRIP- TION | CBSC FINAL ACTION TO ITEM | | | | CHALLENGE(S) TO PROPOSED CODE CHANGE AS NOTICED DURING 45 DAY COMMENT PERIOD | CBSC ACTION TO 45 DAY CHALL'G | | | | CAC RECOMMEND- ATION TO ITEM | CBSC ACTION ON CAC RECOM'D | | | | CHALLENGE TO THE CAC RECOMMEND- ATION | CBSC ACTION ON CAC CHALL'G | | | |
|--|------------------------------------|---|---|---|--|--|---|---|---|---|-------------------------------------|---|---|---|--|-------------------------------------|---|---|---|
| | A | D | A | F | | A | D | A | F | | A | D | A | F | | A | D | A | F |
| ITEM 19-3 OSHDP 13/99 Amend Part 2, Section 1630B.6 Braced Spacing Ductwork, Piping and Conduit | X | | | | NO COMMENTS | | | | | Structural Design & Lateral Forces Code Advisory Committee recommendation: APPROVE | | | | | | | | | |
| ITEM 20 BSC 1/99 Adoption of the 1999 National Electrical Code | X | | | | | | | | | Plumbing, Electrical, Mechanical & Energy Code Advisory Committee recommendation: APPROVE | | | | | | | | | |
| ITEM 21 DSA/SS 2/99 BSC is adopting the 1999 National Electrical Code on behalf of DSA/SS | X | | | | | | | | | Plumbing, Electrical, Mechanical & Energy Code Advisory Committee recommendation: APPROVE | | | | | | | | | |

| ITEM NUMBER & DESCRIP- TION | CBSC FINAL ACTION TO ITEM | | | | CHALLENGE(S) TO PROPOSED CODE CHANGE AS NOTICED DURING 45 DAY COMMENT PERIOD | CBSC ACTION TO 45 DAY CHALL'G | | | | CAC RECOMMEND- ATION TO ITEM | CBSC ACTION ON CAC RECOM'D | | | | CHALLENGE TO THE CAC RECOMMEND- ATION | CBSC ACTION ON CAC CHALL'G | | | |
|---|------------------------------------|---|---|---|---|--|---|---|---|---|-------------------------------------|---|---|---|---|-------------------------------------|---|---|---|
| | A | D | A | F | | A | D | A | F | | A | D | A | F | | A | D | A | F |
| ITEM 22 DSA/AC 1/99 Adoption of the 1999 National Electrical Code with Ca. Amend- ments. | X | | | | | | | | | Plumbing, Electrical, Mechanical & Energy Code Advisory Committee recommendation: APPROVE | | | | | 1. John Guhl, Deputy State Fire Marshal (SFM) has stated that SFM does agree with the CAC recommendation of “ Approve. ” However, the SFM has recommended additional amendments to this item. It is not clear if SFM approval is contingent on DSA/AC agreeing to these amendments. | X | | | |
| | | | | | | | | | | | | | | | 2. Manny Muniz on behalf of CAFAA does not agree with the CAC recommendation of “ Approve. ” Mr. Muniz has submitted additional amendments to this item. Mr. Muniz is requesting: APPROVE AS AMENDED | | | | |
| ITEM 23 HCD 1/99 Adoption of the 1999 National Electrical Code with Ca. Amend- ments. | X | | | | John Guhl, Deputy State Fire Marshal (SFM) has stated that SFM does agree with the CAC recommendati on of “ Approve. ” | | | | | Plumbing, Electrical, Mechanical & Energy Code Advisory Committee recommendation: APPROVE | | | | | | | | | |

| ITEM NUMBER & DESCRIP- TION | CBSC FINAL ACTION TO ITEM | | | | CHALLENGE(S) TO PROPOSED CODE CHANGE AS NOTICED DURING 45 DAY COMMENT PERIOD | CBSC ACTION TO 45 DAY CHALL'G | | | | CAC RECOMMEND- ATION TO ITEM | CBSC ACTION ON CAC RECOM'D | | | | CHALLENGE TO THE CAC RECOMMEND- ATION | CBSC ACTION ON CAC CHALL'G | | | |
|--|------------------------------------|---|---|---|---|--|---|---|---|---|-------------------------------------|---|---|---|---|-------------------------------------|---|---|---|
| | A | D | A | F | | A | D | A | F | | A | D | A | F | | A | D | A | F |
| ITEM 24 OSHDP 2/99 Adoption of the 1999 National Electrical Code with Ca. Amend- ments. | | | X | | | | | | | Plumbing, Electrical, Mechanical & Energy Code Advisory Committee recommendation: APPROVE | | | | | 1. John Guhl, Deputy State Fire Marshal (SFM) has stated that SFM does agree with the CAC recommendation of "Approve." However, the SFM has recommended additional amendments to this item. It is not clear if SFM approval is contingent on OSHDP agreeing to these amendments. (OSHDP has agreed in concept to the SFM's recommended amendments. See OSHDP's FSR.) | | | X | |
| ITEM 25 SFM 1/99 Adoption of the 1999 National Electrical Code with Ca. Amend- ments. | | | | | <i>BSC did not receive comments on this item. However, the SFM has created a conflict with their adoption of the NEC with all of the other proposing Agencies in that his adoption in direct conflict due the fact that his package indicates that the SFM is adopting model code where for example OSHDP is indicating that they have a state amendment.</i> | | | | | Plumbing, Electrical, Mechanical & Energy Code Advisory Committee recommendation: APPROVE | | | | | | | | | |

| ITEM NUMBER & DESCRIP- TION | CBSC FINAL ACTION TO ITEM | | | | CHALLENGE(S) TO PROPOSED CODE CHANGE AS NOTICED DURING 45 DAY COMMENT PERIOD | CBSC ACTION TO 45 DAY CHALL'G | | | | CAC RECOMMEND- ATION TO ITEM | CBSC ACTION ON CAC RECOM'D | | | | CHALLENGE TO THE CAC RECOMMEND- ATION | CBSC ACTION ON CAC CHALL'G | | | |
|---|------------------------------------|---|---|---|--|--|---|---|---|---|-------------------------------------|---|---|---|--|-------------------------------------|---|---|---|
| | A | D | A | F | | A | D | A | F | | A | D | A | F | | A | D | A | F |
| | | | | | <i>The SFM's package does not reflect the other agencies state amendments.</i> | | | | | | | | | | | | | | |
| ITEM 26 | | | X | | | | | | | Plumbing, Electrical, Mechanical & Energy Code Advisory Committee recommendation: | X | | | 1. Tom Gage, AC Propulsion does not agree with the CAC recommendation. Mr. Gage has submitted additional amendments to this item. | X | | | | |
| SFM 3/99 & HCD 3/99 | | | | | | | | | | APPROVE | | | | Mr. Gage is requesting: | | | | | |
| Amend Article 625 of the CEC by proposing to adopt early the 1999 NEC language relative to Article 625. | | | | | | | | | | | | | | APPROVED AS AMENDED | | | | | |
| Electric Vehicle Charging System Equipment | | | | | | | | | | | | | | (It should be noted that Mr. Gage's comments are based on model code of the 1999 NEC. His comments are out of scope of this item as proposed by the SFM and HCD.) | | | | | |
| | | | | | | | | | | | | | | 2. Mark Rawson, California Energy Commission (CEC), does not agree with the CAC recommendation. Mr. Rawson has submitted additional amendments. | X | | | | |
| | | | | | | | | | | | | | | Mr. Rawson is requesting: | | | | | |
| | | | | | | | | | | | | | | APPROVED AS AMENDED | | | | | |

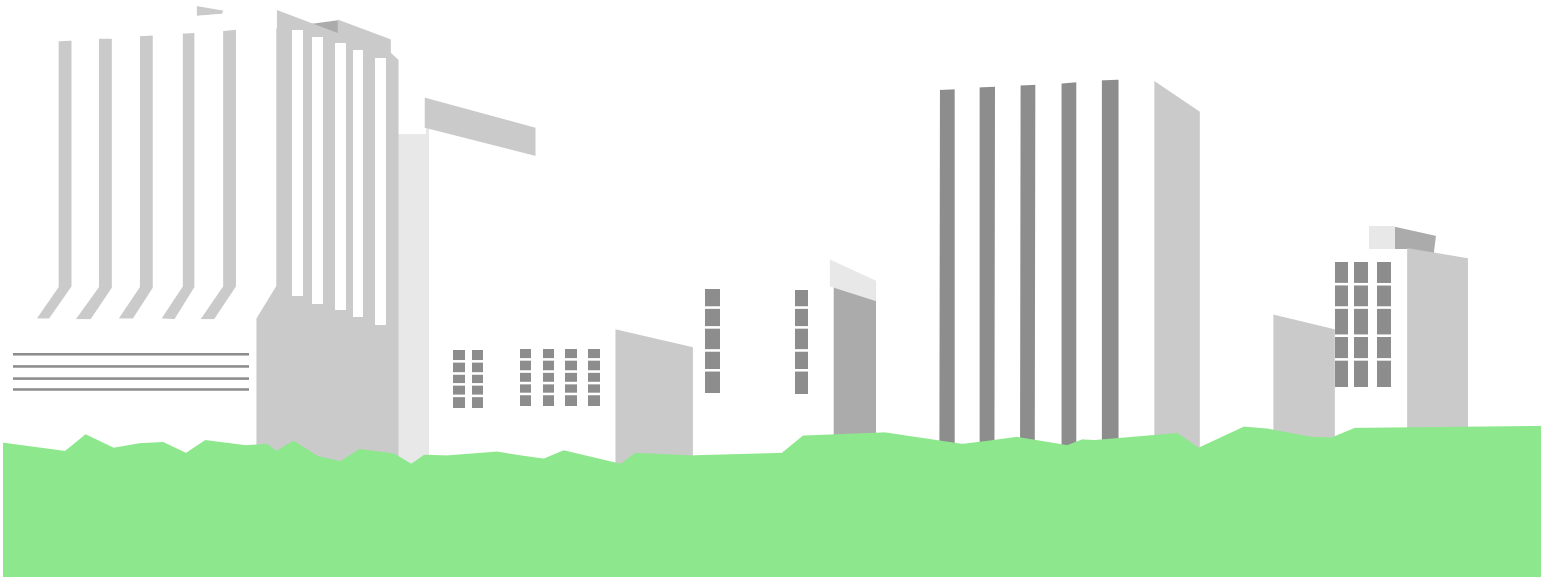
| ITEM NUMBER & DESCRIP- TION | CBSC FINAL ACTION TO ITEM | | | | CHALLENGE(S) TO PROPOSED CODE CHANGE AS NOTICED DURING 45 DAY COMMENT PERIOD | CBSC ACTION TO 45 DAY CHALL'G | | | | CAC RECOMMEND- ATION TO ITEM | CBSC ACTION ON CAC RECOM'D | | | | CHALLENGE TO THE CAC RECOMMEND- ATION | CBSC ACTION ON CAC CHALL'G | | | |
|---|------------------------------------|---|---|---|--|--|---|---|---|--|-------------------------------------|---|---|---|--|-------------------------------------|---|---|---|
| | A | D | A | F | | A | D | A | F | | A | D | A | F | | A | D | A | F |
| ITEM 27-1 OSHDP 12/99 Amend Part 3, Section 517-33 and 517- 43 Sensor Operated Fixtures | X | | | | NO COMMENTS | | | | | Plumbing, Electrical, Mechanical & Energy Code Advisory Committee Recommendation: APPROVE | | | | | | | | | |
| 27-2 OSHDP 12/99 Repeal Part 4, Section 410.2 Kitchen Exhaust Hood | X | | | | NO COMMENTS | | | | | Plumbing, Electrical, Mechanical & Energy Code Advisory Committee Recommendation: APPROVE | | | | | | | | | |
| ITEM 27-3 OSHDP 12/99 Repeal Part 4, Section 1407 and adopt New section 319.0 in Part 5. Medical gas Piping | | | | | NO COMMENTS | | | | | Plumbing, Electrical, Mechanical & Energy Code Advisory Committee Recommendation: APPROVE | | | | | | | | | |

| ITEM NUMBER & DESCRIP- TION | CBSC FINAL ACTION TO ITEM | | | | CHALLENGE(S) TO PROPOSED CODE CHANGE AS NOTICED DURING 45 DAY COMMENT PERIOD | CBSC ACTION TO 45 DAY CHALL'G | | | | CAC RECOMMEND- ATION TO ITEM | CBSC ACTION ON CAC RECOM'D | | | | CHALLENGE TO THE CAC RECOMMEND- ATION | CBSC ACTION ON CAC CHALL'G | | | |
|---|------------------------------------|---|---|---|--|--|---|---|---|--|-------------------------------------|---|---|---|--|-------------------------------------|---|---|---|
| | A | D | A | F | | A | D | A | F | | A | D | A | F | | A | D | A | F |
| ITEM 27-4 OSHPD 12/99 Amend Table 11- A and 11- B Refrigerant | | | | X | | | | | | Plumbing, Electrical, Mechanical & Energy Code Advisory Committee recommendation: DISAPPROVE | X | | | | COMMENT 1 (PG. 43): Kurt Schaefer (OSHPD) Does not agree with the CAC recommendation. OSHPD is requesting: APPROVE AS SUBMITTED | | X | | |
| | | | | | | | | | | | | | | | COMMENT 2 (pg. 43): Roger Richter representing California Healthcare Association (CHA) does not agree with CAC recommendation. Mr. Richter is requesting: APPROVE ASSUBMITTED | | X | | |
| ITEM 27-5 OSHPD 12/99 Adopt New section 413.1a Plumbing fixture count | X | | | | NO COMMENTS | | | | | Plumbing, Electrical, Mechanical & Energy Code Advisory Committee Recommendation: APPROVE | | | | | | | | | |
| ITEM 28 OSHPD 5/99 Amend Part 3, Chapter 3 Heating & Cooling Ranges for Cysto- scopy Rooms | X | | | | NO COMMENTS | | | | | Plumbing, Electrical, Mechanical & Energy Code Advisory Committee Recommendation: APPROVE | | | | | | | | | |

| ITEM NUMBER & DESCRIP- TION | CBSC FINAL ACTION TO ITEM | | | | CHALLENGE(S) TO PROPOSED CODE CHANGE AS NOTICED DURING 45 DAY COMMENT PERIOD | CBSC ACTION TO 45 DAY CHALL'G | | | | CAC RECOMMEND- ATION TO ITEM | CBSC ACTION ON CAC RECOM'D | | | | CHALLENGE TO THE CAC RECOMMEND- ATION | CBSC ACTION ON CAC CHALL'G | | | |
|---|------------------------------------|---|---|---|--|--|---|---|---|---|-------------------------------------|---|---|---|--|-------------------------------------|---|---|---|
| | A | D | A | F | | A | D | A | F | | A | D | A | F | | A | D | A | F |
| ITEM 29 OSHDP 8/99 Amend Part 3, Chapter 4 Ventilation Supply & Return Locations for Cysto- scopy Rooms | X | | | | NO COMMENTS | | | | | Plumbing, Electrical, Mechanical & Energy Code Advisory Committee Recommendation: APPROVE | | | | | | | | | |
| ITEM 30 OSHDP 1/99 Amend Part 3, Chapter 4 Air pressure & Ventilation Req'mts for MRI Rooms | X | | | | NO COMMENTS | | | | | Plumbing, Electrical, Mechanical & Energy Code Advisory Committee Recommendation: APPROVE | | | | | | | | | |
| ITEM 31 HCD 1/99 Amend Part 5, Section 604.1 CPVC Pipe for water distribu- tion with residen- tial buildings | | | | | | | | | | Plumbing, Electrical, Mechanical and Energy Code Advisory Committee recommendation: APPROVE | | | | | | | | | |

Part 1

California Building Standards Administrative Code



BLANK PAGE

**ITEM 1
OSHPD 9/99**

**APPROVED As Amended
per Comment 1 of the
December 1999 Monograph,
page 3**

PART 1, CHAPTER 7

**AMEND AS FOLLOWS VARIOUS SECTIONS COMMENCING
WITH 7-101, 7-141, 7-151 AND VARIOUS SECTIONS:**

**ADMINISTRATIVE REGULATIONS FOR THE
OFFICE OF STATEWIDE HEALTH PLANNING
AND DEVELOPMENT (OSHPD) HOSPITAL
BUILDING SAFETY**

**CHAPTER 7. SAFETY STANDARDS FOR HEALTH
FACILITIES**

**Article 1
General**

7-101. Scope.

The regulations in this part shall apply to the administrative procedures necessary to implement the Alfred E. Alquist Act of 1983 and to comply with State Building Standards Law.

Section ~~429675~~ 129680, Health and Safety Code, authorizes the OSHPD to enforce and amend the California Building Standards Code for the safety of hospitals, skilled nursing facilities and intermediate care facilities.

Unless otherwise stated, all references to sections of statute are sections found in the Health and Safety Code.

NOTE: Authority cited: Sections 127015 and 129850, Health and Safety Code. Reference: Sections 129675-129998, Health and Safety Code.

7-103. Jurisdiction.

7-107. Interpretation.

7-109. Application of Regulations.

**Article 2
Definitions**

Unless otherwise stated, the words and phrases defined in this article shall have the meaning stated therein throughout Chapter 7, Part 1, Title 24.

7-111. Definitions.

"Addition" means any work which increases the floor or roof area or the volume of enclosed space of an existing building and is dependent on the structural elements of that facility for vertical or lateral support.

"Alteration" means any change in an existing building which does not increase and may decrease the floor or roof area or the volume of enclosed space.

"~~Approved drawings plans and specifications~~" means all ~~drawings plans~~, specifications, addenda, change orders and deferred approvals which have the written approval of the Office. The stamp of the Office shall not be construed to mean the written approval of ~~drawings plans~~ required by Section 7-113.

"Architect" means a person who is certified and holds a valid license under Chapter 3 (commencing with Section 5500), Division 3, the Business and Professions Code.

"Assignment" means the project scope of services, expected results, completion time and the monetary limitation for the services.

"Associated structural alterations" means any change affecting existing structural elements or requiring new structural elements for vertical or lateral support of an otherwise nonstructural alteration.

"Candidate" means an applicant who is accepted by the Office as eligible to participate in a Hospital Inspector Certification Examination pursuant to the qualification criteria described in these regulations.

"Civil engineer" means an engineer holding a valid license under Chapter 7 (commencing with Section 6700), Division 3, the Business and Professions Code.

"Construction" means any construction, reconstruction or alteration of, or addition or repair to any health facility.

~~"Contract documents"~~ ~~means the owner/contractor agreement or similar legal instrument and includes the conditions of the contract (general, supplementary or other conditions); performance bond, labor and material bond, the drawings, the specifications; all addenda issued prior to the execution of the contract and all modifications.~~

"Deferred approvals" means

**Article 3
Approval of Drawings Plans and
Specifications and Reports**

7-113. Application for Plan or Report Review.

(a) Except as otherwise provided in this part, before commencing construction of any health facility, the governing board or authority thereof shall submit an application to the Office for plan review, and shall have obtained the written approval thereof by the Office describing the scope of work included and any special conditions under which approval is given. The application shall contain a definite identifying name for the health facility, the name of the architect or registered engineer in general responsible charge of the work, the names of the architects or registered engineers who have been delegated responsibility for portions of the work, the estimated cost of the project and all such other information required for completion of the application. Refer to Section 7-131 regarding incremental design, bidding and construction.

(b) Submission of documents to the Office may be in three consecutive stages:

(1) One application for plan review and when applicable, four copies of the ~~Site~~ data must be attached.

(2) One copy of reports or preliminary ~~drawings~~ plans and outline specifications.

(A) Two copies of preliminary ~~drawings~~ plans and outline specifications must be submitted if additions, structural alterations or new buildings are included.

(3) One copy of ~~contract drawings~~ final plans and specifications or reports.

(A) Two copies must be submitted if additions, structural alterations or new buildings are included.

(c) The filing fee shall accompany the application.

(d) For every project there shall be an architect or structural engineer in general responsible charge of the preparation of reports or ~~drawings~~ plans and specifications except as set forth in Section 7-115 and Sections 129875 of the Health and Safety Code.

(1) A project may be divided into parts, provided that each part is clearly defined by a building or similar distinct unit. The part, so defined, shall include all portions and utility systems or facilities necessary to the complete functioning of that part. Separate assignments of general responsible charge may be made for the parts.

(e) The architect or structural engineer in general responsible charge may delegate responsibility for any portion of the work to, or may employ or retain other architects or registered engineers. No delegation to, or employment or retention of, others shall be construed as relieving the architect or structural engineer in general responsible charge of his rights, duties, and responsibilities under Section 129805 of the Health and Safety Code.

(f) The assumption of general responsible charge or of delegated responsibility for portions of the work shall be clearly designated, accepted and approved by the parties concerned (including the governing board or authority of the hospital). The application for approval of reports or plans and specifications provides for the common conditions of delegation of responsibility, but for unusual cases, or for changes in responsibility taking place after the plans have been submitted for approval, the delegation of responsibility, acceptances and approvals thereof shall be submitted in letter form which if prepared by the architect or structural engineer in general responsible charge, shall include an indication that the owner or governing board has been notified.

NOTE: Authority cited: Sections 127015 and 129850, Health and Safety Code. Reference: Sections 129675-129998, Health and Safety Code.

7-115. Preparation of ~~Drawings~~ Plans and Specifications.

(a) All ~~drawings~~ plans and specifications or reports, except as provided in (b) below and in Sections 129875 of the Health and Safety Code, shall be prepared under the responsible charge, and signed by, the architect or structural engineer or both. The structural ~~drawings~~ plans and specifications or reports shall be prepared and signed by the structural engineer. The responsibility for preparing and signing ~~drawings~~ plans and specifications or reports for the mechanical and electrical portions may be delegated by the architect or structural engineer in general responsible charge, to a professional engineer registered in the appropriate branch of engineering.

(b) For the purposes of this section, a mechanical or electrical engineer may be in general responsible charge of preparation of plans and specifications or reports and may administer the work of construction where the work is predominately of the kind normally performed by mechanical or electrical engineers. Any architectural or structural work involved shall be the responsibility of an architect or structural engineer respectively.

NOTE: Authority cited: Sections 127015 and 129850, Health and Safety Code.

Reference: Sections 129675-129998, Health and Safety Code.

7-117. Site Data.

(a) The site data reports shall be required for all proposed construction except:

(1) As provided in the Part 2, Title 24.

(2) One-story, wood-frame or light steel frame buildings of Type V construction and 4,000 square feet or less in floor area.

(3) Nonstructural alterations.

(4) Structural repairs for other than earthquake damage.

(5) Incidental structural additions or alterations.

(b) ~~Four~~ Three copies of site data reports shall be furnished to the Office for review and evaluation prior to the submittal of the project documents for final plan review. Site data reports shall comply with the requirements of these regulations and Part 2, Title 24. Upon the determination that the investigation of the site and the reporting of the findings was adequate for the design of the project, the Office will issue a letter stating the site data reports are acceptable.

Authority: Health and Safety Code Sections 127015 and 129850.

Reference: Health and Safety Code Sections 129675-129998

7-121. Preliminary ~~Drawings~~ Plans and Outline Specifications.

(a) One copy of the preliminary ~~drawings~~ plans and outline specifications shall be submitted to the Office. Two copies must be submitted if additions, structural alterations or new buildings are included. If applicable, each of the site data reports listed in Section 7-117(a)(1) shall have been submitted previously. The preliminary design documents will be reviewed

by the Office for compliance with Title 19 and 24, California Code of Regulations. These documents shall provide the following data:

(b) Architectural, structural or other plans shall include:

(1) Plot plan showing roads, fire flow supply and demand calculations, fire hydrants, courses and distances of property lines, existing buildings, proposed buildings, parking areas, sidewalks, topography and any easements of record.

(2) Plans of basement, other floors or levels and roof which indicate:

(A) The function, occupancy or usage of each room, area or space. Floor plans for addition or alteration projects shall be accompanied by floor plans of the existing buildings showing existing space usage's.

(B) The size and location of each fixed equipment item as follows:

(1) Fixed building service equipment which includes utility systems and machinery necessary for the effective functioning of the building such as heating, ventilating, air conditioning, elevators and communications.

(2) Other fixed equipment permanently fastened to the building or the ground, which are required for the program function of the building.

(3) Provisions for meeting the fire and life safety requirements in Titles 19 and 24, either on preliminary plans or in outline specifications. At least the following shall be indicated:

(A) Compartment of the buildings.

(B) Door swings and corridor widths.

(C) Enclosures of stairwells and elevator shafts.

(D) Location of fire alarm components, to include fire zones.

(E) Extent of fire sprinkler coverage.

(4) Assembly ratings as specified by the Underwriter's Laboratories, Inc., or other nationally recognized testing laboratories.

(5) Provisions for making facilities accessible to and usable by persons with disabilities in conformance with the California Building Standards Code, Title 24, California Code of Regulations.

(c) Mechanical plans shall include:

(1) Single line layouts of major ducts and piping systems.

(2) Location and layout of boiler room or space and major associated equipment and central heating, cooling and ventilating units.

(3) Fire dampers, smoke dampers and other fire safety items required by Titles 19 and 24, California Code of Regulations.

(4) Riser diagrams for multistory construction.

(d) Electrical plans shall include:

(1) Plans showing space assignment.

(2) Sizes and outline of fixed equipment, such as transformers, main switchgear, switchboards and generator sets.

(3) Simple riser diagrams for multistory construction showing arrangements of feeders, and branch circuit panels.

(4) Simplified single-line diagram(s).

(5) Fire detector locations, exit and emergency lights and fire alarms systems required in Titles 19 and 24, California Code of Regulations.

(e) Outline specifications shall include:

(1) A general description of the construction, including interior finishes types and location of acoustical material and special floor coverings.

(2) A description of the plumbing, air conditioning, heating and ventilation systems, including controls, ducts and piping for all areas.

(3) A general description of electrical services including voltage, number and location of feeders whether overhead or underground. A specific description of items to be served by emergency power and description of design considerations for special areas, such as anesthetizing locations and critical care areas.

(4) All fire and life safety items shown on the preliminary plans. These items shall include the flame spread rating of all applicable materials and finishes and a description of mechanical and electrical devices required for the intended occupancy of the building.

(f) Acceptance of preliminary ~~drawings~~ plans and outline specifications.

Upon completion of the review of the preliminary ~~drawings~~ plans and outline specifications, the Office will return a marked-up set of the ~~drawings~~ plans and specifications or a written report to the applicant indicating any items that need correction or clarification.

At the time ~~the contract drawings~~ final plans and specifications are submitted to the Office, the marked-up copies of the preliminary plans and specifications shall accompany the other documents being filed.

NOTE: Authority cited: Sections 127015 and 129850, Health and Safety Code. Reference: Sections 129675-129998, Health and Safety Code.

7-125. Final Review of ~~Construction Document Drawings~~ Plans and Specifications.

(a) One copy of the ~~construction document drawings~~ final plans and final specifications and site data reports shall be submitted to the Office.

(1) Two copies must be submitted if additions, structural alterations or new buildings are included.

(2) The ~~construction document drawings~~ plans and specifications shall include: architectural, mechanical, electrical, structural seismic restraint, and fire and life safety details.

(b) ~~Construction document drawings~~ Plans and specifications are to be completely and thoroughly checked by the responsible architect or engineer before submission to the Office. Drawings Plans and specifications which are incomplete or incorrect will be returned to the applicant.

(1) Where a portion of the construction cannot be fully detailed on the approved drawings plans because of variations in product design and manufacture, the approval of the drawings plans for such portion may be deferred until the material suppliers are selected provided the following conditions are met:

(A) The drawings plans clearly indicate that a deferred approval by the Office is required for the indicated portions of the work prior to fabrication and installation.

(B) The drawings plans and specifications fully describe the performance and loading criteria for such work.

(C) The deferred approval submittals are made in conformance with Section 7-153.

(2) Due to the difficulty of anticipating every unsatisfactory condition that might exist in connection with the existing work where alteration or reconstruction work is proposed, the following clause or one of similar meaning shall be included in all specifications to which the Office gives approval in connection with either reconstruction or alteration work: "The intent of the drawings plans and specifications is to reconstruct the hospital building in accordance with the California Building Standards Code, Titles 19 and 24, California Code of Regulations. Should any conditions develop not covered by the ~~contract documents~~ approved plans and specifications wherein the finished work will not comply with Title 24, California Code of Regulations, a change order detailing and specifying the required work shall be submitted to and approved by the Office before proceeding with the work."

(c) ~~Construction document drawings~~ Final plans and specifications, and site data reports, except those items

specified in Section 7-117(a), shall be submitted to the Office for review and shall include the following:

(1) Site data reports as previously accepted by the Office pursuant to Section 7-117 shall be included with the ~~drawings plans~~ and specifications.

(2) Architectural ~~drawings plans~~ shall include, where applicable:

(A) Plot plan.

(B) Floor plans.

(C) Reflected ceiling plans.

(D) Roof plans.

(E) Elevations and sections.

(F) Necessary details.

(G) Schedule of finishes, doors and windows.

(H) Exit system.

(I) Fire and smoke wall locations.

(J) Occupancy separations and indicate different occupancies.

(K) Location and identifying data on major items of movable equipment and fixed hospital equipment; e.g., autoclaves, sterilizers, kitchen equipment, laboratory equipment, X-ray equipment, cabinets and storage racks.

(L) Anchorage of all equipment items shall be detailed.

EXCEPTIONS: 1. Equipment weighing less than 400 pounds supported directly on the floor or roof.

2. Furniture.

3. Temporary or movable equipment.

4. Equipment weighing less than 20 pounds supported by vibration isolators.

5. Equipment weighing less than 20 pounds suspended from a roof or floor or hung from a wall.

(M) Fire extinguishers.

(3) Structural ~~drawings plans~~ shall include, where applicable:

(A) Plans of foundations, floors, roofs and any intermediate levels showing a complete design with sizes, sections and relative location of the various members and a schedule of beams, girders and columns. Assumed soil bearing pressures and type of material shall be shown on foundation plans.

(B) Details of all connections, assemblies and expansion joints.

(C) Details of structural framing systems necessary for support and seismic bracing of major nonstructural elements and items of major fixed building equipment and hospital equipment.

EXCEPTIONS: 1. Equipment weighing less than 400 pounds supported directly on the floor or roof.

2. Furniture.

3. Temporary or movable equipment.

4. Equipment weighing less than 20 pounds supported by vibration isolators.

5. Equipment weighing less than 20 pounds suspended from a roof or floor or hung from a wall.

(D) Structural ~~drawings~~ plans shall be accompanied by computations, stress diagrams, and other pertinent data and shall be complete to the extent that calculations for individual structural members can be readily interpreted.

The computations shall be prefaced by a statement clearly and concisely outlining the basis for the structural design and indicating the manner in which the proposed hospital building will resist vertical loads and horizontal forces. The computations shall be sufficiently complete to establish definitely that the structure will resist the loads and forces prescribed by these rules and regulations. Assumed safe bearing pressures on soils and ultimate strengths of concrete shall be given in computations and noted on plans. Where unusual conditions occur, such additional data as are pertinent to the work shall be submitted.

(4) Mechanical ~~drawings~~ plans shall include, where applicable:

(A) Radiators and steam-heated equipment, such as sterilizers, autoclaves, warmers and steam tables.

(B) Heating and steam mains, including branches with pipe sizes.

(C) Pumps, tanks, boiler breaching and piping, and boiler room accessories.

(D) Air conditioning systems with refrigeration equipment, water and refrigerant piping, and ducts.

(E) Exhaust and supply ventilating systems showing duct sizes with steam or water connections and piping.

(F) Size and elevation of street sewer, house sewer, house drains, street water main and water service into the building.

(G) Location and size of soil, waste and vent stacks with connections to house drains, fixtures and equipment.

(H) Size and location of hot, cold and circulation water mains, branches and risers from the service entrance, and tanks.

(I) Riser diagram or other acceptable method to show all plumbing stacks with vents, water risers and fixture connections for multistory buildings.

(J) Medical gas and special connections.

(K) Fire extinguishing equipment such as fixed extinguishing systems, sprinklers, and wet and dry standpipes.

(L) Plumbing fixtures and fixtures which require water and drain connections.

(M) Anchorage of all equipment shall be detailed.

EXCEPTIONS: 1. Equipment weighing less than 400 pounds supported directly on the floor or roof.

2. Furniture.

3. Temporary or movable equipment.

4. Equipment weighing less than 20 pounds supported by vibration isolators.

5. Equipment weighing less than 20 pounds suspended from a roof or floor or hung from a wall.

(5) Electrical ~~drawings~~ plans shall include, where applicable:

(A) Electrical service entrance equipment.

(B) Transformers and their connections, if located in the building or on the site.

(C) Main switchboard, distribution panels, lighting and appliance panels, motor control centers and associated equipment.

(D) Feeder size including conductors, conduit and overcurrent protection.

(E) Lighting and appliance outlets, receptacles, switches and circuitry.

(F) Telephone layout.

(G) Nurses' call system.

(H) Fire alarm systems.

(I) Emergency electrical system, when required.

(J) Switchboard and panel schedules with tabulated loads.

(K) Single-line diagram(s).

(L) Anchorage of all equipment shall be detailed.

EXCEPTIONS: 1. Equipment weighing less than 400 pounds supported directly on the floor or roof.

2. Furniture.

3. Temporary or movable equipment.

4. Equipment weighing less than 20 pounds supported by vibration isolators.

5. Equipment weighing less than 20 pounds suspended from a roof or floor or hung from a wall.

(6) Architectural, structural, mechanical and electrical specifications which fully describe, except where fully indicated and described on the drawings plans, the materials, workmanship and the kind, sizes, capacities, finishes and other characteristics of all materials, products, articles and devices.

(7) Additions to or alterations and repairs of existing structures which include:

(A) Types of activities within the existing buildings, including distribution.

(B) Type of construction of existing buildings and number of stories.

(C) Plans and details showing attachment of new construction to existing structural, mechanical and electrical systems.

(8) A title block or strip on each sheet of the construction document drawings plans shall include the following:

(A) Name and address of the architect or engineer.

(B) Name and address of the project.

(C) Number or letter of each sheet.

(D) Date of preparation of each sheet and the date of revision, if any.

(E) The scale of each drawing plan or detail.

(9) The north point of reference and the location or reference dimensions of the building, with respect to the site boundaries and property lines, shown on all plot plans and on all floor plans where applicable.

(d) After the Office has made its check of the submitted documents, the marked-up set of drawings plans and specifications will be returned to the architect or engineer. A set of prints from corrected drawings plans and specifications shall be filed for recheck when the original check indicates that extensive changes are necessary. Where necessary corrections are of minor nature, corrected original drawings plans and specifications may be filed for recheck. Changes in drawings plans and specifications,

other than changes necessary for correction, made after submission for approval, shall be brought to the attention of the Office in writing or by submission of revised drawings plans and specifications identifying those changes. Failure to give such notice voids any subsequent approval given to the drawings plans and specifications.

The Office places its stamp on the original reproducible drawings plans and the master cover sheet of the specifications when they have been corrected to comply with these regulations. This stamp is affixed for identification only and must not be construed as "written approval of plans" required in Section 129810 of the Health Safety Code.

The prints, specifications, computations and other data filed with the application are the property of, and are retained by, the Office.

(e) Before the Office's written approval of the drawings plans and specifications is issued, a set of prints of the stamped drawings plans and specifications must be submitted to the Office.

Any change, erasure, alteration or modification of any drawing plan or specification bearing the identification stamp of the Office shall void the approval of the application. However, the written approval of plans may be extended to include revised and/or additional drawings plans and specifications after submission for review and approval thereof.

NOTE: Authority cited: Sections 127015 and 129850, Health and Safety Code. Reference: Sections 129675-129998, Health and Safety Code.

7-129. Time Limitations for Approval.

(a) ~~Contract drawings~~ Final plans and specifications shall be submitted to the Office within one year of the date of the Office's report on preliminary drawings plans and outline specifications or the application shall become void unless an extension has been requested and approved.

(b) The procedures leading to obtaining written approval of ~~contract drawings~~ final plans and specifications shall be carried to conclusion without suspension or unnecessary delay. The application shall become void when either (1) prints from corrected drawings plans or corrected original drawings plans are not filed for recheck within six months after the date of return of checked drawings plans to the architect or engineer or (2) a set of prints of the stamped drawings plans and specifications are not submitted to the Office within six months after the date shown on the stamp by the Office.

(c) Construction, in accordance with the approved drawings plans and specifications, shall commence within one year after obtaining the written approvals provided in Section 7-135(a), or this approval shall become void. The Office may require that the drawings plans and specification be revised to meet current regulations before reinstating a voided approval.

(d) If the work of construction is suspended or abandoned for any reason for a period of one year following its commencement, the Office's approval shall become void. The

Office may reinstate the approval as described in Section 7-129(c) above.

Authority: Health and Safety Code Sections 127015 and 129850.

Reference: Health and Safety Code Sections 129675-129998.

7-131. Incremental Design, Bidding and Construction.

(a) Incremental design, bidding and construction or "fast-tracking" is a process by which construction of a building is commenced prior to completion of the contract documents for the total project. The Office will approve this process contingent upon receipt of application for approval of plans and specifications.

(b) Applicants wishing to employ the incremental process shall notify the Office no later than the date of submission of the application cited (a) above. Increments shall be limited to complete phases of construction, such as foundations and basement walls, structural framing, architectural work, mechanical work, or electrical work. The following supplementary information shall accompany the application:

(1) Transmittal letter requesting the use of the incremental or fast-track procedure.

(2) The site data reports required in Sections 7-117 and 7-125(c).

(3) A chart showing the proposed coordination of the design, bidding and construction schedules, including state and local plan review time and the estimated date of occupancy of the project.

(4) The preliminary drawings plans and outline specifications required in Section 7-121.

(c) The ~~contract documents~~ plans of each construction increment shall be sufficiently definitive of the architectural, structural, mechanical and electrical elements, and the loadings thus summarized, to provide identification of the sources of dead, live and lateral loads for the purposes of review of design. Changes to the work done under previously approved increments shall be required if, upon submission of plans of subsequent increments, the summarized loadings are found to be incorrect or connection details are found to be incompatible.

(d) The ~~contract documents~~ plans of each construction increment shall clearly identify the scope of the work to be included in that particular increment. All ~~contract documents~~ plans are to be complete and thoroughly checked by the project architect or engineers as to design, detailing, dimensions and coordination with other increments before submission to the Office. The Office will return incomplete documents without review and request that the documents be completed and resubmitted.

(e) Time intervals between construction increments shall not be permitted unless specific, written approval is granted by the Office.

(f) Seventy percent of the fee, based upon the estimated construction cost of the entire facility, as calculated in accordance with Section 7-133, shall be paid to the Offices upon the submission of the ~~contract documents~~ plans of the first construction increment. The final fee shall be based upon the determination of the final actual construction cost.

(g) After the Office has made its check of the submitted documents and the applicant has corrected the originals accordingly, the stamp of the Office of Statewide Health Planning and Development, shall be placed on the original reproducible ~~drawings~~ plans and the master cover sheet of the specifications. The stamp shall indicate the increment being approved. This incremental approval stamp is affixed for identification only and is not the written approval of plans cited in Section 7-125(d). An Office approval letter shall be issued for each increment which clearly identifies the scope of work involved in the increment being approved. The letter for the final increment shall indicate approval of the entire project.

(h) Verified compliance reports shall be submitted in conformance with Section 7-151; addenda and change orders, as per Section 7-153 for each increment. Where all increments are being constructed under a single general contract or under a designated agent responsible for the construction of the entire project, the verified reports may cover the work of more than one increment.

(i) Approval of construction will be issued for each increment being constructed under a separate contract. Where all increments are being constructed under a single general contract or where an owner's agent is responsible for the construction of the entire project, final approval of the construction will be issued upon completion of the entire project.

Authority: Health and Safety Code Sections 127015 and 129850.

Reference: Health and Safety Code Sections 129675-129998.

7-133. Fees.

(a) The fee for plan review and field observation shall accompany the application and shall be based on the estimated cost of construction as follows:

(1) The fee for hospital buildings is 1.64 percent of the estimated construction cost;

(2) The fee for skilled nursing and intermediate care facilities, as defined in Subdivision (c), (d), (e) or (g) of Section 1250, Health and Safety Code, is 1.5 percent of the estimated construction cost;

(3) The minimum filing fee shall be \$250.00.

Authority: Health and Safety Code Sections 127015, 129785 and 129850 and Government Code Section 11152.

Reference: Health and Safety Code Section 129785.

Article 4. Construction

7-135. Time of Beginning Construction.

(a) Construction shall not commence until the health facility has applied for and obtained from the Office:

(1) Written approval of the ~~contract documents~~ plans and specifications.

(2) A building permit.

(3) Written approval of the inspector of record.

NOTE: Authority cited: Sections 127015 and 129850, Health and Safety Code. Reference: Sections 129675-129998, Health and Safety Code.

(1) Name and address of the contractor.

(2) Contract price.

(3) Date on which contract was awarded.

(4) Date of construction start.

Authority: Health & Safety Code Sections 127015, 129785, 129850, and Government Code Section 11152.
Reference: Health & Safety Code Section 129785.

7-137. Notice of Start of Construction. ...

7-139. Notice of Suspension of Construction. ...

7-141. Administration of Construction.

(a) The administration of the work of construction shall be under the general responsible charge of an architect or structural engineer. Where neither structural nor architectural elements are substantially involved, a mechanical or electrical engineer registered in the branch of engineering most applicable to the project may be in responsible charge of the administration of the work of construction.

(b) All architects and engineers to whom responsibility has been delegated for preparation of ~~drawings~~ plans and specifications as listed on the application shall observe the work of construction for their portion of the project. They shall consult with the person in general responsible charge in the interpretation of the approved ~~drawings~~ plans and specifications, the preparation of addenda, change orders and deferred approvals, and the selection of inspectors and testing laboratories. By manual signatures they shall indicate their responsibility for and approval of change orders and deferred approvals which affect their portion of the project.

~~(c) Architects or engineers having responsibility for observation of the work of construction shall submit verified reports to the Office in accordance with Section 7-151. Observation of structural work shall be done by a structural engineer.~~

~~(d) (c) The architect or engineer having general or delegated responsibility may name one or more persons to act as alternate(s) for observation of the work of construction provided such persons are architects or engineers qualified under these regulations to assume the responsibility assigned.~~

~~(e) A verified report from an alternate or the manual signature of an alternate on a document will be deemed evidence that the alternate has personal knowledge of the work as defined in Section 7-151 and that responsibility is assumed by the alternate for the document.~~

~~(f) Alternates should be named on the Application for Plan Review or by letter. Letters shall be submitted prior to performance of work by the alternate and shall include an indication that the hospital board has been notified.~~

(d) The architect or engineer of record in general responsible charge of the work shall prepare a testing, inspection and observation program which shall be submitted to the Office for approval prior to the issuance of the building permit.

(e) The testing program shall identify materials and tests to be performed on the project. The firm(s) and/or individual(s) to perform each of the required tests shall also be identified. The testing program shall include, at a minimum, those tests required by applicable sections of the California Building Standards Code.

(f) The testing program shall include a completed application for inspector(s) of record for the project. If a project has more than one inspector of record, the distribution of responsibilities for the work shall be clearly identified for each inspector of record. The inspection program shall also identify all special inspections to be performed on the project and the individual(s) to perform the inspections. The special inspections shall include, at a minimum, those special inspections required by applicable sections of the California Building Standards Code.

(g) The observation program shall identify each professional that must, through personal knowledge as defined in Section 7-151, verify that the work is in compliance with the approved plans and specifications. The contractor or owner/builder and the inspector(s) of record shall verify that the work is in compliance with the approved plans and specifications in accordance with the requirements for personal knowledge as it applies to each participant or discipline. The program shall give specific intervals or project milestones at which such observation is to occur for each affected participant or discipline. Each required observation shall be documented by a compliance verification report prepared by each participant or discipline and submitted to the office.

(h) The tests, inspection and observation program shall include samples of test and inspection reports and provide time limits for the submission of reports.

(i) All completed test, inspection and observation reports shall be submitted to the Office.

NOTE: Authority: Health and Safety Code Sections 127015 and 129850.

Reference: Health and Safety Code Sections 129675-129998.

7-143. Responsibility of the Contractor.

(a) The contractor shall complete the work in accordance with the approved ~~contract documents~~ plans and specifications. The contractor shall not be relieved of any responsibility by the activities of the architect, engineer, inspector or the Office in the performance of their duties.

(b) The contractor shall submit verified compliance reports to the Office in accordance with Section 7-151.

(c) Where no general contractor is involved, the governing body or authority of a health facility shall designate an agent who shall be responsible for the construction of the project in accordance with the approved contract documents and such agent shall submit the verified reports to the Office.

NOTE: Authority: Health and Safety Code Sections 127015 and 129850.

Reference: Health and Safety Code Sections 129675-129998.

7-144. Inspection. ...**7-145. Continuous Inspection of the Work.**

(a) The general duties of the inspector shall be as follows:

(1) The inspector shall have personal knowledge, obtained by continuous inspection of all parts of the work of construction in all stages of its progress to assure that the work is in accordance with the approved ~~contract documents~~ plans and specifications.

(2) Continuous inspection means complete inspection of every part of the work. Work, such as concrete or masonry work which can be inspected only as it is placed or assembled, shall require the constant presence of the inspector. Other types of work which can be completely inspected after the work is installed may be carried on while the inspector is not present. In no case shall the inspector have or assume any duties which will prevent continuous inspection.

(3) The inspector shall work under the direction of the architect or engineer. All inconsistencies or seeming errors in the ~~contract documents~~ approved plans and specifications shall be reported promptly to the architect or engineer for interpretation and instructions. In no case, however, shall the instructions of the architect or engineer be construed to cause work to be done which is not in conformity with the approved ~~contract documents~~ plans and specifications.

(4) The inspector shall maintain a file of approved ~~contract documents~~ plans and specifications on the job at all times including all reports of tests and inspections required by the ~~contract documents~~ plans and specifications and shall immediately return any unapproved ~~contract~~ documents to the architect or engineer for proper action. The inspector shall also maintain on the job at all times, all codes and

regulations referred to in the ~~contract documents~~ approved plans and specifications.

(5) The inspector shall notify the Office:

(A) When the work is started or resumed on the project.

(B) At least 48 hours in advance of the time when foundation trenches will be complete, ready for footing forms.

(C) At least 48 hours in advance of the first pour of concrete.

(D) When work has been suspended for a period of more than two weeks.

(6) The inspector shall maintain a record of certain phases of construction procedure as follows:

(A) The record shall include the time and date of placing concrete; time and date of removal of forms and shoring in each portion of the structure; location of defective concrete; and time, date and method of correction of defects.

(B) The record shall include identification marks of welders, lists of defective welds, and manner of correction of defects and other related events.

(C) The record shall include a list of test reports of all nonconforming materials or defective workmanship and shall indicate the corrective actions taken.

(D) When driven piles are used for foundations, the record shall include the location, length and penetration under the last ten blows for each pile. It shall also include a description of the characteristics of the pile driving equipment.

(E) All records of construction procedure shall be retained on the job until the completion of the work. See Section 7-155.

(b) The inspector shall notify the contractor, in writing, of any deviations from the approved ~~contract documents~~ plans and specifications or new construction not in compliance with California Building Standards Code, which have not been immediately corrected by the contractor. Copies of such notice shall be forwarded immediately to the architect, engineer, owner and to the Office.

NOTE: Authority: Health and Safety Code Sections 127015 and 129850.

Reference: Health and Safety Code 129675-129998.

7-147. Observation by the Office. ...**7-149. Tests.**

(a) Pursuant to Section 7-141, ~~the~~ the architect or engineer in charge shall establish and administer the testing program. Where job conditions warrant, the architect or engineer may

waive certain specified tests contingent upon the approval of the Office. The Office shall be notified as to the disposition of materials noted on laboratory reports. One copy of all test reports shall be forwarded to the Office by the testing agency. The reports shall state definitely whether the material tested complies with the approved contract documents.

(b) The governing board or authority of a health facility shall select a qualified person or testing laboratory as the testing agency to conduct the tests. The selected person or testing laboratory must be approved by the architect or engineer. The governing board or authority shall pay for all tests.

Authority: Health and Safety Code Sections 127015 and 129850.

Reference: Health and Safety Code Sections 129675-129998.

7-151. Verified Compliance Reports.

(a) In accordance with Section 7-151(e), or when required by the Office, ~~as construction progresses~~, the architect(s), and engineer(s), ~~the inspector(s) of record, special inspector(s) and the contractor or owner/builder~~ shall each submit to the Office a Verified compliance Report Form, signed with their original signature and based on their own personal knowledge, as defined by this Section. The report shall:

(1) Verify that the work during the period, or a portion of the work, covered by the report has been performed and materials used and installed are in accordance with the approved ~~contract documents~~ plans and specifications.

(2) Set forth detailed statements of fact as are required by the Office.

(b) The term "personal knowledge", as used in this section and as applied to the architect or engineer or both, means personal knowledge which is the result of generally accepted standards of construction administration. Such persons shall use reasonable diligence to obtain the information required.

(c) The term "personal knowledge," as applied to the inspector means the actual knowledge obtained by the inspector's personal continuous inspection of the work of construction, as defined in Section 7-145, at the construction site in all stages of progress.

(d) The term "personal knowledge," as applied to the contractor means the contractor's actual knowledge, which is obtained from personal observation of the construction of the building. The exercise of reasonable diligence to obtain the facts is required.

(e) Verified compliance reports shall be submitted to the Office ~~as follows: at the intervals or stages of the work as stated in the approved testing, inspection and observation program.~~ In no case, shall the submittal of verified compliance reports be less than:

~~(1) One copy on or before the first day of February, May, August and November, for every project upon which any construction has been executed during the preceding calendar quarter, prepared and signed by each required participant or discipline at the completion of the work.~~

~~(2) One copy signed by the prime contractor at the completion of each prime contract prepared and signed by any required participant or discipline terminated for any cause during the course of construction.~~

~~(3)(2) One copy signed by the prime contractor at the suspension of the particular work for a period of more than one month prepared and signed by any participant or discipline at any time a special verified compliance report is required by the Office.~~

~~(4) (f) One copy signed by the individual terminated, whenever the services of an architect, engineer, inspector or contractor in connection with a project are terminated for any reason. The architect or engineer in general responsible charge of the work shall be responsible for ensuring all required verified compliance reports are submitted to the Office.~~

~~(5) One copy signed and submitted by each individual in Item (4) above at the completion of the work.~~

~~(6) One copy at any time that a special verified report is required by the Office.~~

~~(f) The project applicant shall ensure that the verified reports of the inspector, contractor, architect and engineers are submitted as required.~~

Authority: Health and Safety Code Sections 127015 and 129850.

Reference: Health and Safety Code Sections 129675-129998.

7-152. Supplantation of an Architect, Engineer or Inspector of Record, Special Inspector or Contractor.

(a) When supplanting any of the listed individuals the following shall be submitted to the Office:

(1) Prior to plan approval

(A) Revised application(s) listing the new responsible individual(s).

(2) Following plan approval

(A) Revised application(s) listing the new responsible individual(s)

(B) An initial report, prepared by the supplanted individual(s), based on field observation(s) that the work performed and materials used and installed to date are in accordance with the project's approved plans and specifications. Any observed issues of non-conformance shall be listed in the report. The supplanting individual(s) shall be responsible for verification of project compliance, pursuant to Section 7-151, for the remainder of the project.

(C) A final verified report from the supplanting individual(s).

EXCEPTION TO (C): In the event that the supplanted individual refuses to, or cannot provide a final verified report the owner shall submit a letter to the office verifying that the work performed and materials used and installed are in accordance with the project's approved plans and specifications. The letter shall also list the reason the verified report could not be obtained.

Authority: Health and Safety Code Section 127015 and 129850.

Reference: Health and Safety Code Sections 129675-129998, e.

7-153. Addenda, Change Orders, and Deferred Approvals.

(a) Work shall be executed in accordance with the approved ~~contract documents~~ plans and specifications. Changes in the ~~contract documents~~ approved plans and specifications shall be made by addenda or change orders approved by the Office.

(b) Changes or alterations of the approved ~~contract documents~~ plans and specifications prior to awarding a construction contract, or similar instrument of agreement for the work involved, shall be made by means of addenda. Addenda shall be signed by the architect or engineer responsible for the preparation of the ~~contract documents~~ plans and specifications and shall be submitted for approval by the Office. Two copies of the approved addenda shall be furnished to the Office.

(c) Changes or alterations of the approved ~~contract documents~~ plans and specifications after a contract or similar instrument of agreement has been awarded shall be made by means of change orders.

(1) Change orders shall state the reason for the change, show the related addition to or deduction from the current contract price and shall be accompanied by supplementary drawings plans, when necessary.

(2) All change orders shall be signed by the applicant and the architect or engineer generally responsible for the work of construction and approved by the Office prior to installation of the work except:

(A) Emergency changes to the work relating to the safety of persons at the construction site may be made immediately. Such emergency changes shall be documented by subsequent change orders and may require modification to comply with these regulations.

(B) To prevent undue delay, changes may be commenced following preliminary approval of an instruction bulletin by the Office. Such changes shall be confirmed immediately by change order.

(d) Submittal documents for deferred submittal items shall be submitted to the architect or engineer to whom responsibility has been delegated for preparation of ~~drawings plans~~ and specifications, as listed on the application, for review prior to submittal to the Office.

(1) The architect or engineer to whom responsibility has been delegated for preparation of ~~drawings plans~~ and specifications, as listed on the application, shall review and forward submittal documents for deferred submittal items to the Office with a notation indicating that the deferred submittal documents have been reviewed and that they have been found to be in general conformance with the design of the project.

(2) The deferred submittal items shall not be installed until their design and submittal documents have been approved by the Office.

Authority: Health & Safety Code Sections 127015 and 129850.
Reference: Health & Safety Code Sections 129675-129998.

7-155. Final Approval of the Work.

(a) The Office shall schedule a final state agency inspection of the work subsequent to the receipt of the responsible architect's or engineer's statement that the contract is performed or substantially performed.

(b) The final approval of the construction shall be issued by the Office when:

(1) All work has been completed in accordance with the approved ~~construction documents~~ plans and specifications.

(2) The required verified compliance reports and test and inspection affidavits have been filed with the Office.

(3) All remaining fees have been paid to the Office.

(c) Final approval shall be confirmed by a letter sent to the Department of Health Services with a copy to the applicant. The letter shall state that the work has been constructed in accordance with the California Building Standards Code, Title 24, California Code of Regulations.

(d) Upon completion of the project, all copies of construction procedure records as required by Section 7-145(a)(6) shall be transmitted to the Office.

Authority: Health & Safety Code Sections 127015 and 129850.
Reference: Health and Safety Code Sections 129675-129998.

7-156. Certification of Correctional Treatment Centers. ...

* * *

(END OF ITEM)

**ITEM 2
OSHPD 10/99****APPROVED As Submitted
in the September 1999
Monograph, page 16****PART 1, CHAPTER 7****AMEND AS FOLLOWS SECTION 7-103, 7-111, 7-113,
AND 7-151:****ADMINISTRATIVE REGULATIONS FOR THE
OFFICE OF STATEWIDE HEALTH PLANNING
AND DEVELOPMENT (OSHPD)****CHAPTER 7
SAFETY STANDARDS FOR HEALTH FACILITIES****Article 1****Safety Standards for Health Facilities****7-103 Jurisdiction.**

The following are within the justification of Office of Statewide Health Planning and Development:

(a)

(b)

(2) Correctional Treatment Centers, as defined by Section 129725 (b) & 6, 9 7(A) or 9 7 (B), Health and Safety Code, operated by or to be operated by law enforcement agency of a city, county or a city and county are under the jurisdiction of the local enforcement agency for enforcement.

Article 2. Definitions

Unless otherwise stated, the words and phrases defined in this article shall have the meaning stated therein throughout Chapter 7, Part 1, Title 24.

7-111. Definitions.

"**Health facility**" as used in this part and all applicable parts of the California Building Standards Code means any health facility licensed pursuant to Section 1250 of the Health and Safety Code under the jurisdiction of the Office.

(a)(1) "**Hospital building**" as used in this part and other applicable parts of the California Building Standards Code means any building used for a health facility of a type required to be licensed pursuant to Section 1250 of the Health and Safety Code.

(2) Except as provided in paragraph (9) (7) of subdivision (b), hospital building includes a correctional treatment center, as defined in subdivision (j) of Section 1250, the construction of which was completed on or after March 7, 1973.

(b) "Hospital building" does not include any of the following:

(1) Any building in which outpatient clinical services of a health facility licensed pursuant to Section 1250 are

provided that is separated from a building in which hospital services are provided. If any one or more outpatient clinical services in the building provides services to inpatients, the building shall not be included as a "hospital building" if those services provided to inpatients represent no more than 25 percent of the total outpatient visits provided at the building. Hospitals shall maintain on an ongoing basis, data on the patients receiving services in these buildings, including the number of patients seen, categorized by their inpatient or outpatient status. Hospitals shall submit this data annually to the State Department of Health Services.

(2) Any building used, or designed to be used, for a skilled nursing facility or intermediate care facility, if the building is of single-story, wood-frame or light steel frame construction.

(3) Any building of single-story, wood-frame or light steel frame construction in which only skilled nursing or intermediate care services are provided if the building is separated from a building housing other patients of the health facility receiving higher levels of care.

(4) Any freestanding structures of a chemical dependency recovery hospital exempted under the provisions of subdivision (c) of Section 1275.2.

(5) Any building licensed to be used as an intermediate care facility/developmentally disabled habilitative with six beds or less and any intermediate care facility/developmentally disabled habilitative of 7 to 15 beds that is a single-story, wood-frame or light steel frame building.

~~(6) Any building that has been used as a community care facility licensed pursuant to Chapter 3 (commencing with Section 1500) of Division 2, and was originally licensed to provide that level of care prior to March 7, 1973, if:~~

~~(A) The building complied with applicable building and safety standards at the time of that licensure,~~

~~(B) The Director of Health Services, upon application, determines that in order to continue to properly serve the facility's existing client population, relicensure as an intermediate care facility/developmentally disabled will be required.~~

~~(7) Any building that has been used as a community care facility pursuant to paragraph (1) or (2) of subdivision (a) of Section 1502, and was originally licensed to provide that level of care if all of the following conditions are satisfied:~~

~~(A) The building complied with applicable building and safety standards for a community care facility at the time of that licensure.~~

~~(B) The facility conforms to the 1973 edition of the Uniform Building Code of the International Conference of Building Officials as a community care facility.~~

~~(C) The facility is other than single story, but no more than two stories, and the upper story is licensed for ambulatory patients only.~~

~~(D) A certificate of need was granted prior to July 1, 1983, for conversion of a community care facility to an intermediate care facility.~~

~~(E) The facility otherwise meets all nonstructural construction standards for intermediate care facilities in existence on the effective date of this act or obtains waivers from the appropriate agency.~~

~~The exemption provided in this paragraph extends only to use of the building as an intermediate care facility as defined in subdivision (d) of Section 1250 and the facility is in Health Facilities Planning Area 1420.~~

~~(8)~~ (6) Any building subject to licensure as a correctional treatment center, as defined in subdivision (j) of Section 1250, the construction which was completed prior to March 7, 1973.

~~(9)~~ (7) (A) Any building that meets the definition of a correctional treatment center, pursuant to subdivision (j) of Section 1250, for which the final design documents were completed or the construction of which was begun prior to January 1, 1994, operated by or to be operated by the Department of Corrections, the Department of the Youth Authority, or by a law enforcement agency of a city, county, or a city and county.

(B) In the case of reconstruction, alteration, or addition to, the facilities identified in this paragraph, and paragraph ~~(8)~~ (6) or any other building subject to licensure as a general acute care hospital, acute psychiatric hospital, correction treatment center, or nursing facility, as defined in subdivisions (a), (b), (j), and (k) of Section 1250, operated or to be operated by the Department of Corrections, the Department of the Youth Authority, or by a law enforcement agency of city, a county, or city and county, only the reconstruction, alteration, or addition, itself, and not the building as a whole, nor any other aspect thereof, shall be required to comply with this chapter or the regulations adopted pursuant thereto.

"Hospital Building Safety Board" means the Board which shall advise the Director....

Article 3

Approval of Drawings and Specifications

7-113. Application for Plan Review.

(a) Except as otherwise provided in this part, before commencing construction of any health facility, the governing board or authority thereof shall submit an application to the Office for plan review, and shall have obtained the written approval thereof by the Office describing the scope of work included and any special conditions under which approval is given. The application shall contain a definite identifying name for the health facility, the name of the architect or registered engineer in general responsible charge of the work, the names of the architects or registered engineers who have been delegated responsibility for portions of the work, the

estimated cost of the project and all such other information required for completion of the application. Refer to Section 7-131 regarding incremental design, bidding and construction.

(b) Submission of documents to the Office may be in three consecutive stages:

(1) One application for plan review and when applicable, four copies of the Site data must be attached.

(2) One copy of reports or preliminary drawings and outline specifications.

(A) Two copies of preliminary drawings and outline specifications must be submitted if additions, structural alterations or new buildings are included.

(3) One copy of contract drawings and specifications or reports.

(A) Two copies must be submitted if additions, structural alterations or new buildings are included.

~~(c) The filing fee shall accompany the application.~~

~~(d)~~ (c) For every project there shall be an architect or structural engineer in general responsible charge of the preparation of reports or drawings and specifications except as set forth in Section 7-115 and Sections 129875 and 129880, Health and Safety Code.

(1) A project may be divided into parts, provided that each part is clearly defined by a building or similar distinct unit. The part, so defined, shall include all portions and utility systems or facilities necessary to the complete functioning of that part. Separate assignments of general responsible charge may be made for the parts.

~~(e)~~ (d) The architect or structural engineer in general responsible charge may delegate responsibility for any portion of the work to, or may employ or retain other architects or registered engineers. No delegation to, or employment or retention of, others shall be construed as relieving the architect or structural engineer in general responsible charge of his rights, duties, and responsibilities under Section 129805 of the Health and Safety Code.

~~(f)~~ (e) The assumption of general responsible charge or of delegated responsibility for portions of the work shall be clearly designated, accepted and approved by the parties concerned (including the governing board or authority of the hospital). The application for approval of reports or plans and specifications provides for the common conditions of delegation of responsibility, but for unusual cases, or for changes in responsibility taking place after the plans have been submitted for approval, the delegation of responsibility, acceptances and approvals thereof shall be submitted in letter form which if prepared by the architect or structural engineer in general responsible charge, shall include an indication that the owner or governing board has been notified.

7-115. Preparation of Drawings and Specifications.

7-117. Site Data.**7-121. Preliminary Drawings and Outline Specifications.****7-125. Final Review of Construction Document Drawings and Specifications.****7-129. Time Limitations of Approval.****7-131. Incremental Design, Bidding and Construction.****7-133. Fees.**

(a) The fee for plan review and field observation ~~shall accompany the application and~~ shall be based on the estimated cost of construction as follows:

(1) The fee for hospital buildings is 1.64 percent of the estimated construction cost;

(2) The fee for skilled nursing and intermediate care facilities, as defined in Subdivision (c), (d), (e) or (g) of Section 1250, Health and Safety Code, is 1.5 percent of the estimated construction cost;

(3) The minimum filing fee shall be \$250.00.

Article 4 Construction

7-135. Time of Beginning Construction.**7-137. Notice of Start of Construction.****7-139. Notice of Suspension of Construction.****7-141. Administration of Construction.****7-143. Responsibility of the Contractor.****7-144. Inspection.****7-145. Continuous Inspection of the Work.****7-147. Observation by the Office.****7-149. Tests.****7-151. Verified Reports.**

(a) In accordance with Section 7-151(e), or when required by the Office, as construction progresses, the architect and engineers, the inspector and the contractor shall each submit to the Office a Verified Report Form, signed and based on their own personal knowledge. The report shall:

(1) Verify that the work during the period covered by the report has been performed and materials used and installed are in accordance with the approved contract documents.

(2) Set forth detailed statements of fact as are required by the Office.

(b) The term "personal knowledge," as used in this section and as applied to the licensed architect or engineer or both, means personal knowledge which that is the result of generally accepted standards of construction administration. Such persons shall use reasonable diligence to obtain the information required. obtained by periodic visits to the project site, of reasonable frequency, for the purpose of general observation of the work. It also includes knowledge that is obtained from the reporting of others as to the progress of the work, testing of materials, and inspection and supervision of the work that is performed between the periodic visits of the architect or the engineer. Reasonable diligence shall be exercised in obtaining the facts.

(c) The term "personal knowledge," as applied to the inspector, means the actual personal knowledge that is obtained by from the inspector's personal continuous inspection of the work of construction, as defined in Section 7-145, at the construction site in all stages of progress, in all stages of its progress at the site where the inspector is responsible for inspection. Where work is carried out away from the site, personal knowledge is obtained from the reporting of others on the testing or inspection of materials and workmanship, for compliance with plans, specifications, or applicable standards. Reasonable diligence shall be exercised in obtaining the facts.

(d) The term "personal knowledge," as applied to the contractor, means the ~~contractor's actual~~ personal knowledge which that is obtained from personal observation of the construction of the building. The exercise of r Reasonable diligence is required to obtain the facts is required.

(e) Verified reports shall be submitted to the Office as follows:

(1) One copy on or before the first day of February, May, August and November, for every project upon which any construction has been executed during the preceding calendar quarter.

(2) One copy signed by the prime contractor at the completion of each prime contract.

(3) One copy signed by the prime contractor at the suspension of the particular work for a period of more than one month.

(4) One copy signed by the individual terminated, whenever the services of an architect, engineer, inspector or contractor in connection with a project are terminated for any reason.

(5) One copy signed and submitted by each individual in Item (4) above at the completion of the work.

(6) One copy at any time that a special verified report is required by the Office.

(f) The project applicant shall ensure that the verified reports of the inspector, contractor, architect and engineers are submitted as required.

* * *

(END OF ITEM)

ITEM 4
OSHPD 3/99
PART 1, CHAPTER 7

APPROVED As Submitted
in the September 1999
Monograph, page 23

AMEND AS FOLLOWS SECTIONS 7-200 AND 7-204:

CHAPTER 7
SAFETY STANDARDS FOR HEALTH FACILITIES

Article 19. Certification and Approval of
Hospitals Inspectors

7-200. Administration of Hospital Inspector
Examination and Certification.

(a) The Office shall test and certify inspectors in one or more of the following classes:

(1) Class "A" Hospital Inspector may inspect all ~~phases~~ areas of construction ~~specialty~~, including: architectural, mechanical, electrical, fire and life safety, and structural elements.

(2) Class "B" Hospital Inspector may inspect only the following ~~phases~~ areas of construction ~~specialty~~: architectural, mechanical, electrical, fire and life safety, and anchorage of non-structural elements.

(3) Class "C" Hospital Inspector may inspect ~~only phases of construction which the Office determines do not materially alter the architectural, mechanical, electrical, fire and life safety, or structural integrity of the hospital building one or more areas of construction specialty including architectural, mechanical, electrical, fire and life safety, or structural but may not inspect the complete scope of construction specialties authorized for "A" or "B" inspectors.~~

(b) In order to be certified in and perform the scope of responsibilities of a hospital inspector as specified in paragraph (a) (1), (2) or (3), an individual must be successful in the examination for that classification.

7-201. Location of Office. ...

7-202. Filing Change of Name, Address or Telephone
Number. ...

7-203. Applying for the Certification Examination. ...

7-204. Minimum Qualification for Examination.

An applicant must meet the following criteria to be eligible to participate in the certification examination for a Class "A", "B", or "C" Hospital Inspector:

(a) Minimum qualifications for Class "A" Hospital Inspector Exam:

(1) High school graduation or the equivalent and six years experience involving building projects of Type I or Type II construction as an architect's, engineer's, owner's, local

building official's or general contractor's representative in technical inspection or inspection supervision [NOTE: Experience in subsection (a)(1) may be substituted with college education with major work in architecture, engineering, building inspection and/or construction on a year-for-year basis for a maximum of two years.]; or

(2) Possess a valid California registration/license as a mechanical, electrical, or civil engineer and two years experience involving building projects of Type I or Type II construction as an architect's, engineer's, owner's, local building official's, or general contractor's representative in technical inspection or inspection supervision; or

(3) High school graduation or the equivalent and two years of working experience as Class "B" Hospital Inspector; or

(4) Possess a valid California registration/license as a structural engineer or a valid California license as an architect.

(b) Minimum qualifications for Class "B" Hospital Inspector Exam:

(1) High school graduation or the equivalent and four years experience involving building projects of Type I or Type II construction as an architect's, engineer's, owner's, local building official's or general contractor's representative in technical inspection or inspection supervision [NOTE: Experience in subsection (b)(1) may be substituted with college education with major work in architecture, engineering, building inspection and/or construction on a year-for-year basis for a maximum of two years.]; or

(2) Possess a valid California registration/license as an civil engineer and two years experience involving building projects of Type I or Type II construction as an architect's engineer's, owner's, local building official's or general contractor's representative in technical inspection or inspection supervision; or

~~(2) (3)~~ Possess a valid California registration/license as a structural, mechanical or electrical engineer, or valid California license as an architect.

(c) Minimum qualifications for Class "C" Hospital Inspector Exam:

(1) High school graduation or the equivalent and ~~two~~ four years experience ~~in involving building construction or maintenance in a hospital or skilled nursing facility projects of Type I or Type II construction as an architect's, engineer's, owner's, local building official's or general contractor's representative in technical inspection or inspection supervision~~ [NOTE: Experience in subsection (c)(1) may be substituted with college education with major work in architecture, engineering, building inspection and/or construction on a year-for-year basis for a maximum of two years.]; or

(2) Possess a valid California registration/license as an civil engineer and two years experience involving building projects of Type I or Type II construction as an architect's, engineer's, owner's, local building official's or general contractor's representative in technical inspection or inspection supervision; or

~~(2)~~ (3) Possess a valid California registration/license as a structural, mechanical, or electrical ~~or civil~~ engineer, or a valid California license as an architect.

7-205. Transition Plan for Hospital Inspectors.

7-206. Fees.

(a) Fees required pursuant to subsection (b), shall be transmitted by credit card, money order, cashier check, certified check, or personal check and payable to the Office of Statewide Health Planning and Development.

(b) The prescribed fees ...

(c) An application ...

(d) An exam ...

(e) An application ...

(f) If the Office ...

7-207. Examination for Certification.

(a) The Office shall administer an exam not less than once in every calendar year in the Sacramento and Los Angeles areas. The certification exam will consist of a written exam.

(b) The scope of the written certification examination will be to measure the applicant's ability to read and understand construction plans and specifications; ability to identify and understand the application of various California Building Standards Code requirements; ability to display good judgment in work situations; knowledge of appropriate inspector duties and ability to communicate in writing. The test will be divided into sections covering the following code enforcement areas of construction inspection: structural, architectural, mechanical, electrical, fire and life safety, and administrative.

(c) In order to be successful in the certification exam, a candidate must obtain a passing score of at least 75 percent in each section of the written exam.

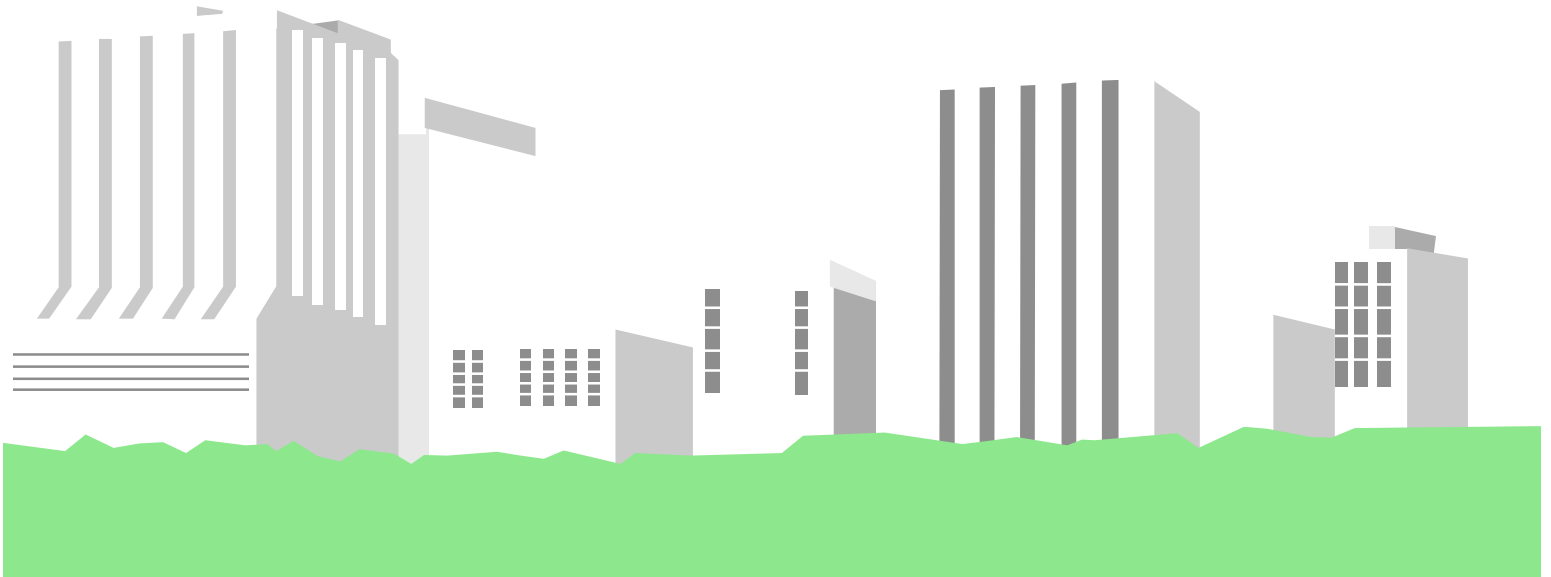
NOTE: Authority cited: Sections 1275, 127010, 127015, 129680 and 129825, Health and Safety Code. Reference: Sections 129680 and 129825, Health and Safety Code.

* * *
(END OF ITEM)

Part 2

California Building Standards

Building Code



BLANK PAGE

**ITEM 5
SFM 7/99****APPROVED As Submitted
in the September 1999
Monograph, page 29****PART 2, CHAPTER 3****AMEND AS FOLLOWS SECTION 308.2.2.1:****CHAPTER 3
USE OR OCCUPANCY****308.2.2 Specific-use provisions.**

308.2.2.1 Group I, Division 1.1 smoke barriers. Floor levels of Group I, Division 1.1 Occupancies used by inpatients for sleeping or treatment, or having an occupant load of 50 or more, shall be divided into at least two compartments by smoke barriers of not less than one-hour fire resistance meeting the requirements of Section 905.2.3. *[For SFM] Such barriers shall be continuous from outside wall to outside wall, from a smoke barrier to a smoke barrier, from floor to floor or roof above, or a combination thereof, including continuity through all concealed spaces, such as above suspended ceilings, interstitial structural and mechanical spaces.* The area within a smoke-control zone shall not exceed 22,500 square feet (2090 m²) and its width or length shall not exceed 150 feet (45 720 mm). The area of a smoke zone shall not be less than that required to accommodate the occupants of the zone plus the occupants from any adjoining zone. Not less than 30 square feet (2.8 m²) net clear floor area for bed and litter patients and 6 square feet (0.6 m²) net clear floor area for other occupants shall be used to compute the required areas.

Doors in smoke barriers shall be tight-fitting smoke and draft-control assemblies having a fire-protection rating of not less than 20 minutes and shall comply with Section 1007.5.1. When doors are installed across corridors, a pair of opposite-swinging doors without a center mullion or horizontal sliding doors that comply with UBC Standard 7-8, which is part of this code (see Chapter 35, Part II), shall be installed. Smoke-barrier doors shall:

1. When installed across corridors, *[for SFM] swinging doors shall* have vision panels. The area of the vision panels shall not exceed that tested.
2. Be close-fitting with only the clearance necessary for proper operation and shall be without undercuts, louvers or grilles.
3. Have stops at the head and jambs. Opposite-swinging corridor doors shall have rabbets or astragals at the meeting edges.
4. Have positive latching devices, except on doors installed across corridors.

4.1 [For SFM] Shall be positive latching.

5. Be automatic closing. Doors installed across corridors shall comply with Section 713.6.1, Item 3, and doors on the floor or in the affected zone shall automatically close if the fire alarm or sprinkler system is activated.

At least two means of egress shall be provided from each smoke zone. Means of egress may pass through adjacent zones, provided the means of egress does not return through the compartment zone from which exiting originated. Exit or exit-access doors at zone boundaries shall be equipped with approved vision panels.

* * *
(END OF ITEM)

ITEM 6
OSHPD 6/99

APPROVED As Amended
per Comments 1 and 2 of
the December Monograph,
pages 12 & 13

PART 2, CHAPTER 4A

AMEND AS FOLLOWS SECTIONS 420A.7.1 AND
420A.7.2, EXCEPTION:

CHAPTER 4A
SPECIAL USE AND OCCUPANCY

Division III – OFFICE OF STATEWIDE HEALTH
PLANNING AND DEVELOPMENT

SECTION 420A [FOR OSHPD 1] – HOSPITALS

420A.1 Scope.

420A.2 Application.

420A.3 Definitions.

420A.4 General Construction.

420A.5 Corridors.

420A.6 Doors and Door Openings.

420A.7 Windows and Screens.

420A.7.1 Rooms approved for the housing of patients shall be provided with natural light by means of exterior glazed openings excluding clerestory window, obscure glass and skylights, with an area not less than one tenth of the total floor area and natural ventilation by means of an exterior opening with an area not less than one-twentieth of the total floor area.

EXCEPTIONS:

1. Intensive-care newborn nurseries.
2. Intensive-care units other than intensive-care nurseries shall be provided with exterior glazed openings, excluding obscure glass, sized and located in a manner to provide patients with an awareness of the outdoors.

420A.7.2 Patient room window openings shall be operable and shall have sills not more than 36 inches (914mm) above the floor. Where windows require the use of tools or keys for operation, the tools or keys shall be located at the nurses' station.

EXCEPTIONS:

1. Windows in intensive-care units may be 60 inches (1524 mm) above the floor.
2. Windows in buildings which have a mechanical smoke-control systems complying with Section 403.4 905 need not be operable.
3. Windows of isolation rooms shall only be operable by the use of tools or keys which shall be located at the nurses' station.

420A.7.3 Safety glass

* * *

(END OF ITEM)

ITEM 7
OSHPD 7/99
PART 2, CHAPTER 4A

APPROVED As Submitted
in the September 1999
Monograph, page 34
(less restrictive)

AMEND AS FOLLOWS SECTION 421A.4, **EXCEPTION:**

CHAPTER 4A
SPECIAL USE AND OCCUPANCY

Division III -- OFFICE OF STATEWIDE HEALTH
PLANNING AND DEVELOPMENT

SECTION 420A [FOR OSHPD 1] -- HOSPITALS

BASIC SERVICES

420A.14 Nursing Service Space.

420A.14.9.3 Distance. *The distance between the nurses' station entrance and the center of the doorway of the most remote patient bedroom shall not exceed 90 linear feet (27 432 linear mm).*

EXCEPTION: *This section does not preclude designs based on primary nursing concepts incorporating more than one single nursing station of less than 100 square feet (9.3 m²) each and an additional work space or station for unit clerk/reception functions.*

420A.14.10 Utility rooms. ...

SECTION 421A [FOR OSHPD 2] -- SKILLED NURSING AND INTERMEDIATE-CARE FACILITIES

421A.1 Scope. ...

421A.4 Nursing Service Space. *The nursing service space shall accommodate the provisions of Section 420A.14.*

EXCEPTIONS:

1. *The negative-pressure isolation rooms required by Section 420A.14.6 need not be provided.*
2. *Special-purpose rooms for the purpose of single-patient occupancy shall be provided at a ratio of one room for every 35 patients or major fraction thereof. Negative-pressure isolation rooms may be included in determining the number of special-purpose rooms required for the facilities.*
3. *If provided, negative-pressure isolation rooms shall comply with the space and equipment requirements of Section 420A.14.6. The mechanical and plumbing systems shall comply with the California Mechanical Code and California Plumbing Code for a negative-pressure isolation room.*
4. *A minimum of one bathtub or shower shall be provided for every 20 patients or major fraction thereof. Patients shall have access to at least one bathtub per floor.*
5. *Nurses' stations shall be designed to serve no more than 60 beds with a maximum travel distance*

between the nurse's station entrance and the center of the doorway of the most remote patient bedroom, not exceeding 150 linear feet (45.72 linear m). NOTE: Also applies to freestanding supplemental skilled and intermediate care services of general acute care hospitals.

* * *
(END OF ITEM)

ITEM 8
SFM 8/99

APPROVED As Amended
per comment 1 of the
December Monograph, page
15

PART 2, CHAPTER 7

AMEND AS FOLLOWS SECTION 713.6.1:

CHAPTER 7 **FIRE RESISTANT MATERIALS AND** **CONSTRUCTION**

Section 713 - Fire-Resistive Assemblies for Protection **of Openings**

713.1 General. ...

713.2 Definitions. ...

713.3 Identification of Fire Doors,

713.4 Installation of Fire Doors,

713.5 Fire-resistive Tests

713.6 Hardware.

713.6.1 Closing devices. Every fire assembly shall be provided with a closing device as follows:

1. Fire assemblies required to have a three-hour fire-protection rating shall be automatic-closing fire assemblies. Automatic-closing fire assemblies to be activated by an increase in temperature shall have one heat-actuating device installed on each side of the wall at the top of the opening and one on each side of the wall at the ceiling height where the ceiling is more than 3 feet (914 mm) above the top of the opening.
2. Fire assemblies required to have a one- and one-half-hour, one-hour or three-fourths-hour fire-protection rating shall be either automatic- or self-closing fire assemblies. Automatic-closing fire assemblies to be activated by an increase in temperature shall have heat-actuating devices located as required in Item 1 or by a single fusible link in the opening incorporated in the closing device.
3. Fire door assemblies required to have fire-protection rating, which are installed across a corridor, shall be automatic-closing fire assemblies. Such fire assemblies shall be activated by a smoke detector. All hold-open devices shall be listed for the purpose and shall release or close the door in the event of a power failure at the device.
4. Fire assemblies required by provisions of Chapter 10 shall have closing devices as specified in Chapter 10.
5. Doors that are a part of an automobile ramp enclosure shall be equipped with automatic-closing devices.

[For SFM] 6. In Group I, Division 1.1 Occupancies fire door assemblies installed in fire resistive shaft construction, occupancy separation, area separation or horizontal exit walls shall be self-closing or automatic closing fire assemblies except that fire assemblies required to have a three hour fire protection rating shall be automatic closing only. Automatic-closing fire assemblies shall be activated

by a smoke detector interconnected to facility fire alarm system and monitored for integrity in accordance with Section 713.2. All automatic-closing devices shall be listed for the purpose and shall release or close the door in the event of a power failure at the device.

Fire doors that are automatic closing by smoke detection shall not have a closing or reclosing delay of more than 10 seconds.

* * *
(END OF ITEM)

ITEM 9

SFM 6/99

APPROVED As Submitted

in the September 1999

Monograph, page 39

PART 2, CHAPTER 9**AMEND AS FOLLOWS SECTION 905.2.4:**

CHAPTER 9
FIRE-PROTECTION SYSTEMS

905 – Smoke Control**905.2 Design Methods.**

905.2.4 Opening Protection. Openings in smoke barriers shall be protected by self-closing devices or automatic-closing devices attached by the required controls for the mechanical smoke-control system.

EXCEPTIONS: 1. Passive smoke-control systems may have automatic-closing devices actuated by spot-type smoke detectors listed for releasing service. *[For SFM] Such detectors when used in Group I Division 1.1 Occupancies shall activate the fire alarm system.*

2. The airflow method may be used to protect openings fixed in a permanently open position which are located between smoke zones *[for SFM] in other than Group I, Division 1.1 Occupancies.*

3. *[For SFM] In Group I, Division 1.1 Occupancies, an approved smoke detector listed for air duct installation and releasing service shall be located in the duct upstream of the smoke damper and after the last opening or branch of that duct, or*

4. *[For SFM] In Group I, Division 1.1 Occupancies, smoke damper activation may be accomplished by a fire alarm control panel ~~listed for smoke control applications~~ provided that an total coverage open area smoke detection system as required by the California Fire Code is provided within all areas served by an HVAC system installed in the facility as required by the California Fire Code.*

Door openings shall be protected in accordance with Section 1004.3.4.3.2.

EXCEPTIONS: 1. In Group I, Division 1.1 Occupancies when such doors are installed across corridors, a pair of opposite-swinging doors without a center mullion shall be installed having vision panels with approved fire-rated glazing materials in approved fire-rated frames, the area of which shall not exceed that tested. The doors shall be close fitting within operational tolerances, and shall not have undercuts, louvers or grilles. The doors shall have head and jamb stops, astragals or rabbets at meeting edges and automatic-closing devices. Positive latching devices may be omitted. *[For SFM] All doors shall have a positive latching device.*

2. Group I, Division 3 Occupancies.

* * *

(END OF ITEM)

ITEM 10
SFM 4/99
APPROVED As Submitted
in the September 1999
Monograph, page 41

PART 2, CHAPTER 10

AMEND AS FOLLOWS SECTION 1003.2.6:

CHAPTER 10
MEANS OF EGRESS

SECTION 1003 – GENERAL

1003.2 System Design Requirements. ...

1003.2.6 Changes in Elevation. All exterior elevation changes and interior elevation changes of 12 inches (305mm) or more along the path of exit travel shall be made by steps, stairs or stairways conforming with the requirements of Section 1003.3.3.3 or ramps conforming with the requirements of Section 1003.3.4.

Interior elevation changes of less than 12 inches (305mm) along the path of exit travel serving an occupant load of 10 or more shall be by ramps conforming with the requirements of Section 1003.3.4.

[For SFM] In Group I, Division 1.1 Occupancies, any change in elevation of the floor in a hallway, corridor, exit passageway, or exterior exit balcony serving nonambulatory persons shall be by means of a ramp.

EXCEPTIONS: 1. In Group R, Division 3 Occupancies and within individual dwelling units of Group R, Division 1 Occupancies.
 2. Along aisles adjoining seating areas.

* * *
(END OF ITEM)

ITEM 11
SFM 2/99**APPROVED As Amended in**
the September 1999
Monograph, page 43**PART 2, CHAPTER 10****AMEND AS FOLLOWS SECTIONS 1003.3.2, 1003.3.4.2,**
1005.3.4.2, AND 1007.5.1**CHAPTER 10**
MEANS OF EGRESS**1003.3.3 Stairways.**

1003.3.3.1 General. Every stairway having two or more risers serving any building or portion thereof shall comply with the requirements of Section 1003.3.3. For the purposes of Section 1003.3.3, the term "stairway" shall include stairs, landings, handrails and guardrails as applicable. Where aisles in assembly rooms have steps, they shall comply with the requirements in Section 1004.3.2.

EXCEPTION: Stairs or ladders used only to attend equipment or window wells are exempt from the requirements of this section. For the purpose of this chapter, the term "step" shall mean those portions of the means of egress achieving a change in elevation by means of a single riser. Individual steps shall comply with the detailed requirements of this chapter that specify applicability to steps.

1003.3.3.2 Width. The width of stairways shall be determined as specified in Section 1003.2.3, but such width shall not be less than 44 inches (1118 mm), except as specified herein and in Chapter 11. Stairways serving an occupant load less than 50 shall not be less than 36 inches (914 mm) in width. [For SFM] Stairways serving areas occupied by bed or litter patients in Group I, Division 1.1 Occupancies shall have a clear width of not less than 44 inches (1118 mm). There shall be no projections into the clear width to a height of 80 inches (2032 mm) above the walking surface.

1003.3.4 Ramps.

1003.3.4.1 General. Ramps used as a component in a means of egress system shall conform to the requirements of Section 1003.3.4.

EXCEPTION: Ramped aisles within assembly rooms shall conform to the requirements in Section 1004.3.2.

1003.3.4.2 Width. The width of ramps shall be determined as specified in Section 1003.2.3, but shall not be less than 44 inches (1118 mm), except as specified herein and in Chapter 11. Ramps serving an occupant load of less than 50 shall not be less than 36 inches (914 mm) in width. [For SFM] Ramps serving areas occupied by bed or litter patients in Group I, Division 1.1 Occupancies shall have a clear width of not less than 44 inches (1118 mm). There shall be no projections into the clear width to a height of 80 inches (2032 mm) above the walking surface.

1005.3.4 Exit passageways.

1005.3.4.1 General. Exit passageways serving as an exit in a means of egress system shall comply with the requirements of Section 1005.3.4. Exit passageways shall not be used for any purpose other than as a means of egress.

1005.3.4.2 Width. The width of exit passageways shall be determined as specified in Section 1003.2.3, but such width shall not be less than 44 inches (1118 mm), except as specified herein. Exit passageways serving an occupant load of less than 50 shall not be less than 36 inches (914 mm) in width. The required width of exit passageways shall be unobstructed. Exit passageways serving areas occupied by bed or litter patients in Group I, Division 1.1 Occupancies shall have a clear width of not less than 44 inches (1118 mm). There shall be no projections into the clear width to a height of 80 inches (2032 mm) above the walking surface.

EXCEPTION: Doors, when fully opened, and handrails shall not reduce the required width by more than 7 inches (178 mm). Doors in any position shall not reduce the required width by more than one half. Other nonstructural projections such as trim and similar decorative features may project into the required width 1 1/2 inches (38 mm) on each side.

1007.5 Group I Occupancies.

1007.5.1 Minimum size of means of egress. The clear width of the means of egress components in areas serving bed or litter patients shall be such to allow ready passage of beds, gurneys and similar equipment, but shall not be less than 44 inches (1118 mm). Other aisles shall have a clear width of not less than 32 inches (813 mm). [For SFM] There shall be no projections into the clear width to a height of 80 inches (2032 mm) above the walking surface.

* * *
(END OF ITEM)

ITEM 12
SFM 5/99
PART 2, CHAPTER 10

APPROVED As Submitted
in the September 1999
Monograph, page 45

AMEND AS FOLLOWS SECTION 1006.3.2.2:

CHAPTER 10
MEANS OF EGRESS

SECTION 1006 - THE EXIT DISCHARGE

1006.1 General. ...

1006.2 Exit Discharge Design Requirements. ...

1006.3 Exit Discharge Components.

1006.3.1 Exterior Exit Balconies. ...

1006.3.2.1 General. ...

1006.3.2.2 Width. The width of exterior exit balconies shall be determined as specified in Section 1003.2.3, but such width shall not be less than 44 inches (118mm), except as specified herein. Exterior exit balconies serving an occupant load less than 50 shall not be less than 36 inches (914 mm) in width. *[For SFM] Exterior exit balconies serving areas caring for one or more nonambulatory persons in Group I, Division 1.1 Occupancies shall not be less than 8 feet (2438 mm) in width.*

* * *

(END OF ITEM)

ITEM 13
DSAAC 7/99

APPROVED As Submitted
in the September 1999
Monograph, page 47

PART 2, CHAPTER 11B

AMEND AS FOLLOWS SECTION 1117B.5.5:

CHAPTER 11B
ACCESSIBILITY TO PUBLIC BUILDING,
PUBLIC ACCOMMODATIONS, COMMERCIAL
BUILDINGS AND PUBLIC FUNDED HOUSING

Section 1117B -- OTHER BUILDING COMPONENTS

1117B.5 Signs and Identification.

1117B.5.5 Finish and Contrast of symbol. Character and symbols and their background of signs shall be eggshell, matte, or other non-glare finish. Characters and symbols shall contrast with their background, either light characters on a dark background or dark characters on a light background.

* * *

(END OF ITEM)

| | |
|----------------------------|------------------------------|
| ITEM 14 | APPROVED As Submitted |
| DSAAC 8/99 | in the September 1999 |
| | Monograph, page 48 |
| PART 2, CHAPTER 11B | |

AMEND AS FOLLOWS SECTION 1117B.5.6:

**CHAPTER 11B
ACCESSIBILITY TO PUBLIC BUILDINGS,
PUBLIC ACCOMMODATIONS, COMMERCIAL
BUILDINGS AND PUBLICLY FUNDED HOUSING**

Section 1117B -- OTHER BUILDING COMPONENTS

1117B.5 Signs and Identification.

1117B.5.6 Raised Characters and Pictorial Symbol Signs. When raised characters or pictorial symbols are used, they shall conform to the following requirements:

- 1. Letter and Number Type. Letters and numbers on signs shall be raised 1/32 inch (0.794 mm) minimum and shall be sans-serif uppercase characters accompanied by Grade 2 Braille.*
- 2. ~~Symbol~~ Raised Character size. Raised characters ~~or symbols~~ shall be ~~a minimum of~~ at least 5/8 inch (15.9 mm) high, but no higher than 2 inches (51 mm).*
- 3. Pictorial symbol signs (pictograms).*

* * *

(END OF ITEM)

| | |
|----------------------------|---------------------------------|
| ITEM 16 | APPROVED As Amended |
| DSAAC 4/99 | per Comment 1 of the |
| | December 1999 Monograph, |
| PART 2, CHAPTER 11B | page 18 |

AMEND AS FOLLOWS SECTION 1134B.2:

CHAPTER 11B
ACCESSIBILITY TO PUBLIC BUILDINGS,
PUBLIC ACCOMMODATIONS, COMMERCIAL
BUILDINGS AND PUBLICLY FUNDED HOUSING

Section 1134B — ACCESSIBILITY FOR EXISTING BUILDINGS

1134B.1 Scope. The provisions of this division apply to renovation, structural repair, alteration and additions to existing buildings, including those identified as historic buildings. This division identifies minimum standards for removing architectural barriers, and providing and maintaining accessibility to existing buildings and their related facilities.

1134B.2 General. All existing buildings and facilities, when alterations, structural repairs or additions are made to such buildings or facilities, shall comply with all provisions of Division I, New Buildings, except as modified by this division. These requirements shall apply only to the area of specific alteration, structural repair or addition and shall include those areas listed below:

1134B.2.1 A primary entrance to the building or facility and the primary path of travel to the specific area of alteration, structural repair or addition, and sanitary facilities, drinking fountains and public telephones serving the area.

EXCEPTIONS: 1. When the total construction cost of alterations, structural repairs or additions does not exceed a valuation threshold of \$50,000, based on January 1981, "ENR US20 Cities" average construction cost index of 3372.02 (Engineering News Record, McGraw Hill Publishing Company), and the enforcing agency finds that compliance with this code creates an unreasonable hardship, compliance shall be limited to the actual work of the project. The enforcing agency shall annually update the valuation threshold to a current amount based on the increase in the index since the last figure used. (For example, the 1995 amount is \$80,710.37.) For purposes of this EXCEPTION, an unreasonable hardship exists where the cost of providing an accessible entrance, path of travel, sanitary facilities, public phones and drinking fountains, is disproportionate to the cost of the project; that is, where it exceeds 20 percent of the cost of the project without these features. Where the cost of alterations necessary to make these features fully accessible is disproportionate, access shall be provided to the extent that it can be without incurring disproportionate cost. In choosing which accessible elements to provide, priority should be given to those elements that will provide the greatest access in the following order:

- 1.1 An accessible entrance,
- 1.2 An accessible route to the altered area,
- 1.3 At least one accessible restroom for each sex,
- 1.4 Accessible telephones,
- 1.5 Accessible drinking fountains, and

- 1.6 When possible, additional accessible elements such as parking, storage and alarms.

The obligation to provide access may not be evaded by performing a series of small alterations to the area served by a single path of travel if those alterations could have been performed as a single undertaking. If an area has been altered without providing an accessible path of travel to that area, and subsequent alterations of that area or a different area on the same path of travel are undertaken within three years of the original alteration, the total cost of alterations to the areas on that path of travel during the preceding three-year period shall be considered in determining whether the cost of making that path of travel accessible is disproportionate. Only alterations undertaken after January 26, 1992, shall be considered in determining if the cost of providing an accessible path of travel is disproportionate to the overall cost of the alterations.

2. Certain types of privately funded, multistory buildings and facilities were formerly exempt from accessibility requirements above and below the first floor under this code, but as of the effective date of this regulation are no longer exempt due to more restrictive provisions in the federal Americans with Disabilities Act. In alteration projects involving buildings and facilities previously approved and built without elevators, areas above and below the ground floor are subject to the 20 percent disproportionality provisions described in EXCEPTION 1, above, even if the value of the project exceeds the valuation threshold in EXCEPTION 1. The types of buildings and facilities are:

- 2.1 Office buildings and passenger vehicle service stations of three stories or more and 3,000 or more square feet (279 m²) per floor.
- 2.2 Offices of physicians and surgeons.
- 2.3 Shopping centers.
- 2.4 Other buildings and facilities three stories or more and more than 3,000 square feet (279 m²) per floor if a reasonable portion of services sought and used by the public is available on the accessible level.

NOTE: For the general privately funded multistory building EXCEPTION applicable to new construction and alterations, see Section 1103B.1, EXCEPTION 2.1.

3. Alterations, structural repairs or additions consisting of one or more of the following shall be limited to the actual work of the project:

- 3.1 Altering one building entrance to meet accessibility requirements.
- 3.2 Altering one existing toilet facility to meet accessibility requirements.
- 3.3 Altering existing elevators to meet accessibility requirements.
- 3.4 Altering existing steps to meet accessibility requirements.
- 3.5 Altering existing handrails to meet accessibility requirements.
- 3.6 Alteration solely for the purpose of removing barriers undertaken pursuant to the requirements of Sections 36.402 and 36.404 through 36.406 of Title III of the Department of Justice regulations

promulgated pursuant to the Americans with Disabilities Act (Public Law 101–336, 28 C.F.R. Section 36.402, 28 C.F.R. Section 36.404, 28 C.F.R. Section 36.405, and 28 C.F.R. 36.406) or the accessibility requirements of this code as those requirements or regulations now exist or are hereafter amended, including the following:

3.6.1.

Installing ramps

3.6.2. Making curb cuts in sidewalks and entrances

3.6.3. Repositioning shelves

3.6.4. Rearranging tables, chairs, vending machines, display racks, and other furniture

3.6.5. Repositioning telephones

3.6.6. Adding raised markings on elevator control buttons

3.6.7. Installing flashing alarm lights

3.6.8. Widening doors

3.6.9. Installing offset hinges to widen doorways

3.6.10. Eliminating a turnstile or providing an alternative accessible path

3.6.11. Installing accessible door hardware

3.6.12. Installing grab bars in toilet stalls

3.6.13. Rearranging toilet partitions to increase maneuvering space

3.6.14. Insulating lavatory pipes under sinks to prevent burns

3.6.15. Installing a raised toilet seat

3.6.16. Installing a full-length bathroom mirror

3.6.17. Repositioning the paper towel dispenser in a bathroom

3.6.18. Creating designated accessible parking spaces

3.6.19. Installing an accessible paper cup dispenser at an existing inaccessible water fountain

3.6.20. Removing high-pile, low-density carpeting

3.6.21. Installing vehicle hand controls.

4. Projects which consist only of heating, ventilation, air conditioning, reroofing, electrical work not involving placement of switches and receptacles, cosmetic work that does not affect items regulated by this code, such as painting, equipment not considered to be a part of the architecture of the building or area, such as computer terminals, office equipment etc., are not considered alteration projects for the purposes of accessibility for persons with disabilities and shall not be subject to this code. For the purposes of this section, the term "construction cost" does not include building permit fees or discretionary permit fees.

NOTE: *The only purpose of this EXCEPTION is to exclude projects from activating the provisions of this section. The EXCEPTIONS are not intended to relieve projects from complying with other applicable provisions of this code (e.g., replacement of carpet does not activate the provisions of this section; however, it still must comply with Section 1124B.3).*

1134B.2.2 Where it is technically infeasible in the area of an alteration, to make existing restroom facilities code compliant and to install separate sanitary facilities for each sex, then the installation of at least one unisex toilet/bathroom per floor being altered, located in the same area as existing toilet facilities, will be permitted. Such a facility shall meet the requirements of Section 1115B.7.2.

* * *

(END OF ITEM)

ITEM 17
OSHPD 1/99**APPROVED As Submitted**
in the September 1999
Monograph, page 54**PART 2, CHAPTERS 16 AND 19, SEISMIC DESIGN PROVISIONS**
FOR REINFORCED CONCRETE**AMEND AS FOLLOWS SECTIONS 1612.2.1, 1909.3.1.1,**
1921, 1921.2.1.7, 1921.6.6.3, 1921.6.6.5, 1921.7.2.2,
1921.7.2.3:**CALIFORNIA BUILDING CODE**
CHAPTER 16
STRUCTURAL DESIGN REQUIREMENTS**Section 1612.2.1 is amended to read as follows:****1612 – COMBINATIONS OF LOADS ...****1612.2 – Load Combinations Using Strength Design or**
Load and Resistance Factor Design.**1612.2.1 Basic load combinations.** Where Load and Resistance Factor Design (Strength Design) is used, structures and all portions thereof shall resist the most critical effects from the following combinations of factored loads:

| | |
|--|--------|
| 1.4D | (12-1) |
| 1.2D + 1.6L + 0.5 (L _r or S) | (12-2) |
| 1.2D + 1.6 (L _r or S) + (f ₁ L or 0.8W) | (12-3) |
| 1.2 D + 1.3W + f ₁ L + 0.5 (L _r or S) | (12-4) |
| 1.2D + $\pm 1.0 E + (f_1 L + f_2 S)$ | (12-5) |
| 0.9D $\pm (1.0 \underline{rE_b} \underline{E} \text{ or } 1.3W)$ | (12-6) |

WHERE:

E = load effects of earthquake, or related internal moments and forces.E_b = the earthquake load due to the base shear, V, as set forth in Section 1630.2 or the design lateral force, F_p, as set forth in Section 1632.

- f₁ = 1.0 for floors in places of public assembly, for live loads in excess of 100 psf (4.9 kN/m²), and for garage live load.
= 0.5 for other live loads.
- f₂ = 0.7 for roof configurations (such as saw tooth) that do not shed snow off the structure.
= 0.2 for other roof configurations.

EXCEPTIONS: 1. Factored load combinations for concrete per Section 1909.2 where load combinations do not include seismic forces.~~2. Factored load combinations of this section multiplied by 1.1 for concrete and masonry where load combinations include seismic forces.~~~~2. 3.~~ Where other factored load combinations are specifically required by the provisions of this code.**CHAPTER 19**
CONCRETE**Section 1909.3.1.1 is amended to read as follows:****1909.3 Design Strength ...****1909.3.1.1** If the structural framing includes primary members of other materials proportioned to satisfy the load-factor combinations of Section 1928.1.2, it shall be permitted to proportion the concrete members using the set of strength-reduction factors, ϕ , listed in Section 1928.1.1 and the load-factor combinations in Section 1928.1.2. The provisions of this section shall not be used if resistance to specified earthquake loads or forces E are included in design.**Section 1921.0 is amended to read as follows:****SECTION 1921 – REINFORCED CONCRETE**
STRUCTURES RESISTING FORCES INDUCED BY
EARTHQUAKE MOTIONS**Section 1921.0 Notations**

$$\underline{D_{rr}} = R_w \underline{D_s} \quad \underline{D_M} = 0.7 \underline{RD_s}$$

Section 1921.2.1.7 Item 2 is amended to read as follows:

2. All beam-to-column connections that are not part of the lateral-force-resisting system shall be designed in accordance with the following:

Connection design force. The connection shall be designed to develop strength M. M is the moment developed at the connection when the frame is displaced by $\underline{D_s}$, assuming fixity at the connection and a beam flexural stiffness of no more than one-half of the gross section stiffness. M shall be sustained through a deformation of $\underline{D_{rr}}$.**Connection characteristics.** The connection shall be permitted to resist moment in one direction only, positive or negative. The connection at the opposite end of the member shall . . .**Section 1921.6.6.3 is amended to read as follows:****1921.6.6.3** Walls and portions of walls with $P_u > 0.35P_o$ shall not be considered to contribute to the calculated strength of the structure for resisting earthquake-induced forces. Such walls shall conform to the requirements of Section ~~1631.2, Item 4~~ 1633.2.4.

Section 1921.6.6.5 is amended to read as follows:

1921.6.6.5 *Alternatively, the requirements for boundary zones in shear walls or portions of shear walls not meeting the conditions of Section 1921.6.6.4 may be based on determination of the compressive strain levels at edges when the wall or portion of wall is subjected to displacement levels resulting from the ground motions specified in Section ~~1631.2~~ ~~4629.2~~ using cracked section properties and considering the response modification effects of possible non-linear behavior of the building.*

Section 1921.6.6.5 Item 2 is amended to read as follows:

$$P_C = 1.2D + 0.5L + \underline{EE_d}$$

D_E = elastic displacement at the top of the wall, using gross section properties and code-specified seismic forces. D_S may be taken equal to $2D_E$ unless it is computed using accurately determined cracked section stiffnesses.

D_t = total deflection at the top of the wall equal to D_M ; ~~using cracked section properties, or may be taken as $2D_M$ using gross section properties.~~

Section 1921.7.2.2 is amended to read as follows:

1921.7.2.2 Members with factored gravity axial forces exceeding $(A_g f'_c / 10)$, but not exceeding $0.3P_o$ shall satisfy Sections ~~1921.4.3~~ ~~1921.4.3.1~~, 1921.4.4.1, Item 3, and 1921.4.4.3. Design shear strength shall not be less than the shear associated with the development of nominal moment strengths of the member at each end of the clear span. The maximum longitudinal spacing of ties shall be s for the full column height. The spacing s shall not be more than (1) 6 diameters of the smallest longitudinal bar enclosed, (2) 16 tie-bar diameters, (3) one-half the least cross-sectional dimension of the column and (4) 6 inches (152mm).

Section 1921.7.2.3 is amended to read as follows:

1921.7.2.3 Members with factored gravity axial forces exceeding $0.3P_o$ shall satisfy Sections 1921.4.4 and 1921.4.5, and 1921.5.2.1.

* * *

(END OF ITEM)

ITEM 19
OSHPD 13/99
PART 2, CHAPTERS 16B AND 17B

NOTE: This item contains 3 sub-items. The sub-items are as follows:

1. Repeal section 1609B.6
2. Amend section 1612B, 1701B, and 1703B
3. Amend section 1630B.6

SUB-ITEM 19-1
PART 2
CHAPTER 16B
SECTION 1609B.6

APPROVED As Submitted
in the September 1999
Monograph, page 91

REPEAL SECTION 1609B.6:

CHAPTER 16B [For OSHPD 1 & 4]
STRUCTURAL FORCES

Section 1609B – Special Design

~~**1609B.6 – Reviewing Stands, Grandstands and Bleachers.** All reviewing stands, grandstands and bleachers shall be designed and constructed to sustain, within the stress limitations specified in these rules and regulations, the forces set forth in Tables 16B-A and 16B-B.~~

~~**NOTE:** See Section 1806B.9 for footings.~~

~~They shall conform to the requirements of Sections 1021.6 and 1021.7, 1994 UBC and the following additional requirements.~~

~~**1609B.6.1 Portable bleachers.** Portable bleachers shall be self contained, having within themselves all the necessary parts to withstand the prescribed design forces. They shall be so designed and manufactured that if any structural member essential to the strength and stability of the structure has been omitted during erection, the presence of the unused connection fittings will make the omission easily detectable by the project inspector or the responsible architect or structural engineer.~~

~~**1609B.6.2 Portable folding indoor bleachers.** Portable folding indoor bleachers shall be designed and detailed to resist overturning and sway in any direction in both open and closed position when subjected to a lateral force of 0.30 times the dead load weight applied at the center of gravity.~~

SUB-ITEM 19-2
PART 2
CHAPTER 16B & 17B
SECTION 1612B.3, 1701B.1, 1703B

APPROVED As Submitted
in the September 1999
Monograph, page 91-92

AMEND AS FOLLOWS SECTIONS 1612B.3, 1701B.1 AND 1703B:

CHAPTER 16B [OSHPD 1 & 4]
STRUCTURAL FORCES

Section 1612B – Prefabricated Construction

1612B.3 Tests and Inspections. See Section 1704B and the appropriate material chapter(s) for requirements for tests and inspections of prefabricated construction.

CHAPTER 17B [OSHPD 1 & 4]
STRUCTURAL TESTS AND INSPECTIONS

Section 1701B – Special Inspections

1701B.1 General. In addition to the inspections required by Section 108, the owner or the engineer or architect of record acting as the owner's agent shall employ one or more special inspectors who shall provide inspections during construction on the types of work listed under Section 1701B.5 and the requirements of Chapters 18B, 19B, 20B, 21B, 22B, and 23B, whichever is more restrictive.

EXCEPTION: The building Official may waive the requirement for the employment of a special inspector if the construction is of a minor nature.

Section 1703B— Nondestructive Testing

In Seismic Zones 3 and 4, welded connections between the primary members of special and ordinary moment-resisting frames shall be tested by nondestructive methods for compliance with approved standards and job specifications. This testing shall be a part of the special inspection requirements of Section 1701B.5 and Chapter 22B. A program for this testing shall be established by the person responsible for structural design and as shown on the plans and specifications.

SUB-ITEM 19-3
PART 2
CHAPTER 16B
SECTION 1630B.6

APPROVED As Submitted
in the September 1999
Monograph, page 92

AMEND AS FOLLOWS SECTION 1630B.6:

CHAPTER 16B [For OSHPD 1 & 4]
STRUCTURAL FORCES

Section 1630B – Lateral Force On Elements Of Structures, Nonstructural Components And Equipment Supported By Structures

1630B.1 General...

1630B.6 HVAC Ductwork, Plumbing/Piping and Conduit Systems. All pipes ducts and conduit shall be braced to resist the forces prescribed in Section 1630B.2. Ductwork shall be constructed in accordance with provisions contained in Part 4, Title 24, California Mechanical Code. Where possible, Ppipes, conduit and their connections

~~shall be~~ constructed of ductile materials (copper, ductile iron, steel or aluminum) with ~~and~~ brazed, or welded ~~or~~ ~~screwed~~ connections). shall have brace spacing not exceeding that specified in Section 1630B.5 or other standards approved by the enforcement agency. Pipes, ~~conduits~~ and their connections, constructed of nonductile materials (e.g., cast iron, non-hub pipe and plastic), shall have the brace spacing reduced to one-half of the spacing allowed for ductile material in accordance with Section 1630B.5 or other standards approved by the ~~enforcing~~ enforcement agency.

* * *

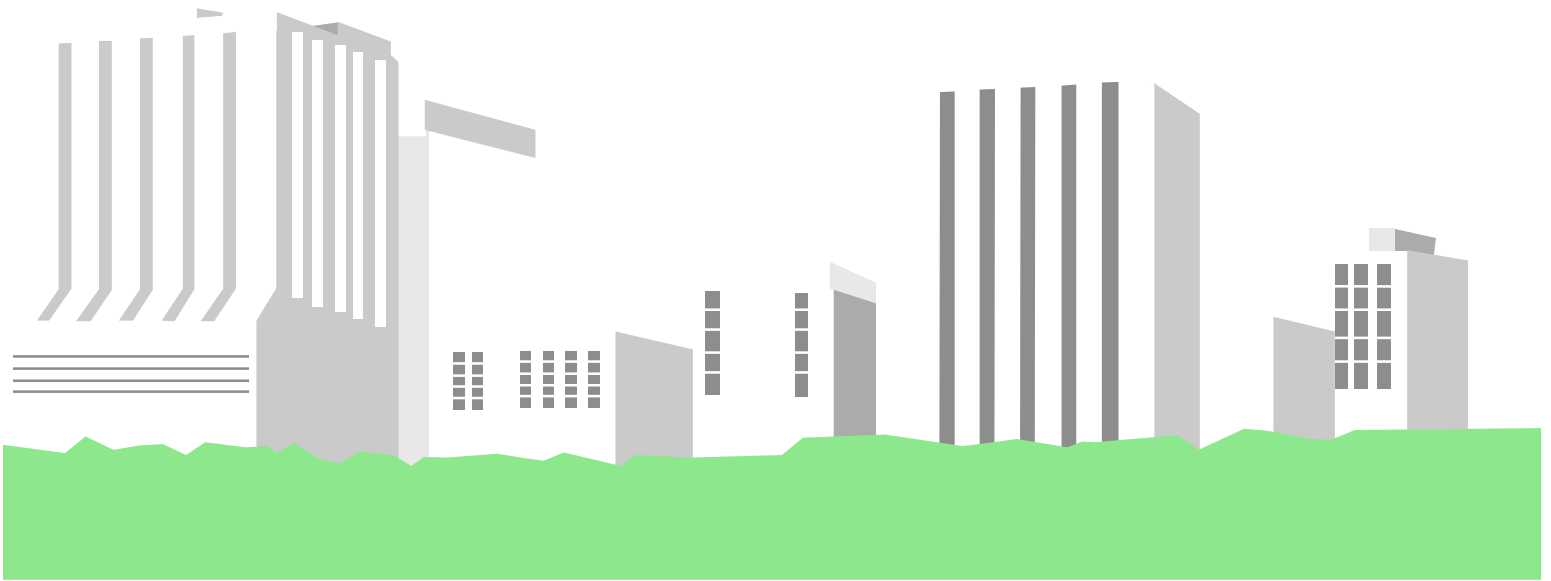
(END OF ITEM)

BLANK PAGE

Part 3

California Building Standards

Electrical Code



BLANK PAGE

ITEM 20
CBSC 1/99
PART 3, ALL ARTICLES

APPROVED As Resubmitted
in the September 1999
Monograph, page 97

REPEAL ARTICLES OF THE 1996 NATIONAL ELECTRICAL CODE (NEC) AS PUBLISHED BY THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) AS ADOPTED IN THE 1998 CALIFORNIA ELECTRICAL CODE (CEC) BY THE CALIFORNIA BUILDING STANDARDS COMMISSION (CBSC).

REPEAL CALIFORNIA AMENDMENT TO SUBSECTION 305-3(c); AND

ADOPT ALL ARTICLES OF THE 1999 NEC AS PUBLISHED BY NFPA WITH NECESSARY CALIFORNIA AMENDMENTS AND CARRY FORWARD EXISTING AMENDMENTS AS LISTED BELOW:

ADOPT THE FOLLOWING ARTICLES:

| 1999 NEC Code Section | CBSC Adoption |
|---|--------------------------|
| ARTICLE 089 - CA - ADMINISTRATION | |
| 089-1 through 089-6 – CA | X |
| 089-7--#1 – CA | X |
| 089-8 through 089-11 – CA | X |
| 90 | X |
| Chapter 1. General | |
| 100 | X |
| 110 | X |
| Chapter 2. Wiring and Protection | |
| 200 | X |
| 210 | X |
| 215 | X |
| 220 | X |
| 225 | X |
| 230 | X |
| 240 | X |
| 250 | X |
| 280 | X |
| Chapter 3. Wiring Methods And Materials | |
| 300 | X |
| 305 | X |
| Section 305-3(c) — CA | X Repealed |
| 310 | X |
| 318 | X |
| 320 | X |
| 321 | X |
| 324 | X |

| 1999 NEC Code Section | CBSC Adoption |
|--------------------------------------|------------------|
| 325 | X |
| 326 | X |
| 328 | X |
| 330 | X |
| 331 | X |
| 333 | X |
| 334 | X |
| 336 | X |
| 338 | X |
| 339 | X |
| 340 | X |
| 342 | X |
| 343 | X |
| 345 | X |
| 346 | X |
| 347 | X |
| 348 | X |
| 349 | X |
| 350 | X |
| 351 | X |
| 352 | X |
| 353 | X |
| 354 | X |
| 356 | X |
| 358 | X |
| 362 | X |
| 363 | X |
| 364 | X |
| 365 | X |
| 370 | X |
| 373 | X |
| 374 | X |
| 380 | X |
| 384 | X |
| Chapter 4. Equipment for General Use | |
| 400 | X |
| 402 | X |
| 410 | X |
| 411 | X |
| 422 | X |
| 424 | X |
| 426 | X |
| 427 | X |
| 430 | X |
| 440 | X |
| 445 | X |
| 450 | X |
| 455 | X |
| 460 | X |
| 470 | X |
| 480 | X |
| 490 | X |
| Chapter 5. Special Occupancies | |

| 1999 NEC Code Section | CBSC Adoption |
|-------------------------------|------------------|
| 500 | X |
| 501 | X |
| 502 | X |
| 503 | X |
| 504 | X |
| 505 | X |
| 510 | X |
| 511 | X |
| 513 | X |
| 514 | X |
| 515 | X |
| 516 | X |
| 517 | X |
| 518 | X |
| 520 | X |
| 525 | X |
| 530 | X |
| 540 | X |
| 545 | X |
| 547 | X |
| 550 | X |
| 551 | X |
| 552 | X |
| 553 | X |
| 555 | X |
| Chapter 6. Special Equipment | |
| 600 | X |
| 604 | X |
| 605 | X |
| 610 | X |
| 620 | X |
| 625 | |
| 630 | X |
| 640 | X |
| 645 | X |
| 650 | X |
| 660 | X |
| 665 | X |
| 668 | X |
| 669 | X |
| 670 | X |
| 675 | X |
| 680 | X |
| 685 | X |
| 690 | X |
| 695 | X |
| Chapter 7. Special Conditions | |
| 700 | X |
| 701 | X |
| 702 | X |
| 705 | X |
| 720 | X |
| 725 | X |
| 727 | X |
| 760 | X |

| 1999 NEC Code Section | CBSC Adoption |
|-----------------------------------|------------------|
| 770 | X |
| 780 | X |
| Chapter 8. Communications Systems | |
| 800 | X |
| 810 | X |
| 820 | X |
| 830 | X |
| Chapter 9. Tables | |
| Table 1 | X |
| Table 4 | X |
| Table 5 | X |
| Table 5A | X |
| Table 8 | X |
| Table 9 | X |
| Table 11(a) | X |
| Table 11(b) | X |
| Appendix A Through E | NA |
| Appendix C | X |

AMENDMENTS:**Article 305 Temporary Wiring****305-3 Time Constraints.**

- (a) **During the Period of Construction.**
- (b) **90 Days.** ...
- (c) **Emergencies and Tests.** Temporary electrical power and lighting installations shall be permitted during emergencies and for tests, experiments, and developmental work ~~{For CBSC} as approved by the authority having jurisdiction.~~
- (d) **Removal.** ...

* * *

(END OF ITEM)

ITEM 21
DSASS 2/99
PART 3, ALL ARTICLES

APPROVED As Submitted
in the September 1999
Monograph, page 102

REPEAL ARTICLES OF THE 1996 NATIONAL ELECTRICAL CODE (NEC) AS PUBLISHED BY THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) AS ADOPTED IN THE 1998 CALIFORNIA ELECTRICAL CODE (CEC) BY THE DIVISION OF THE STATE ARCHITECT STRUCTURAL SAFETY (DSASS).

REPEAL CALIFORNIA AMENDMENT TO THE 1996 NEC, SUBSECTION 110-13(C).

ADOPT ALL ARTICLES OF THE 1999 NEC AS PUBLISHED BY NFPA AS LISTED BELOW:

ADOPT THE FOLLOWING ARTICLES:

| 1999 NEC Code Section | DSASS Adoption |
|---|-------------------|
| ARTICLE 089 - CA - ADMINISTRATION | |
| 089-1 through 089-6 – CA | X |
| 089-7--#6 – CA | X |
| 089-8 through 089-11 – CA | X |
| 90 | X |
| Chapter 1. General | |
| 100 | X |
| 110-13 (c) – CA Repeal | X Repeal |
| Chapter 2. Wiring and Protection | |
| 200 | X |
| 210 | X |
| 215 | X |
| 220 | X |
| 225 | X |
| 230 | X |
| 240 | X |
| 250 | X |
| 280 | X |
| Chapter 3. Wiring Methods and Materials | |
| 300 | X |
| 305 | X |
| 310 | X |
| 318 | X |
| 320 | X |
| 321 | X |
| 324 | X |
| 325 | X |
| 326 | X |
| 328 | X |
| 330 | X |

| 1999 NEC Code Section | DSASS Adoption |
|--------------------------------------|-------------------|
| 331 | X |
| 333 | X |
| 334 | X |
| 336 | X |
| 338 | X |
| 339 | X |
| 340 | X |
| 342 | X |
| 343 | X |
| 345 | X |
| 346 | X |
| 347 | X |
| 348 | X |
| 349 | X |
| 350 | X |
| 351 | X |
| 352 | X |
| 353 | X |
| 354 | X |
| 356 | X |
| 358 | X |
| 362 | X |
| 363 | X |
| 364 | X |
| 365 | X |
| 370 | X |
| 373 | X |
| 374 | X |
| 380 | X |
| 384 | X |
| Chapter 4. Equipment for General Use | |
| 400 | X |
| 402 | X |
| 410 | X |
| 422 | X |
| 424 | X |
| 426 | X |
| 427 | X |
| 430 | X |
| 440 | X |
| 445 | X |
| 450 | X |
| 455 | X |
| 460 | X |
| 470 | X |
| 480 | X |
| 490 | X |
| Chapter 5. Special Occupancies | |
| 500 | X |
| 501 | X |
| 502 | X |
| 503 | X |
| 504 | X |
| 505 | X |
| 510 | X |

| 1999 NEC Code Section | DSASS Adoption |
|-----------------------------------|-------------------|
| 511 | X |
| 513 | X |
| 514 | X |
| 515 | X |
| 516 | X |
| 517 | X |
| 518 | X |
| 520 | X |
| 525 | X |
| 530 | X |
| 540 | X |
| 545 | X |
| 547 | X |
| 550 | X |
| 551 | X |
| 552 | X |
| 553 | X |
| 555 | X |
| Chapter 6. Special Equipment | |
| 600 | X |
| 604 | X |
| 605 | X |
| 610 | X |
| 620 | X |
| 625 | X |
| 630 | X |
| 640 | X |
| 645 | X |
| 650 | X |
| 660 | X |
| 665 | X |
| 668 | X |
| 669 | X |
| 670 | X |
| 675 | X |
| 680 | X |
| 685 | X |
| 690 | X |
| 695 | X |
| Chapter 7. Special Conditions | |
| 700 | X |
| 701 | X |
| 702 | X |
| 705 | X |
| 720 | X |
| 725 | X |
| 727 | X |
| 760 | X |
| 770 | X |
| 780 | X |
| Chapter 8. Communications Systems | |
| 800 | X |
| 810 | X |
| 820 | X |

| 1999 NEC Code Section | DSASS Adoption |
|--------------------------|-------------------|
| 830 | X |
| Chapter 9. Tables | |
| Table 1 | X |
| Table 4 | X |
| Table 5 | X |
| Table 5A | X |
| Table 8 | X |
| Table 9 | X |
| Table 11(a) | X |
| Table 11(b) | X |
| Appendix C | X |

AMENDMENTS:

Article 110 Requirements of Electrical Installations

Section 110-13. Mounting and Cooling of Equipment.

(b) ~~[For DSASS] Hospitals, Public School, Essential Services, and State Buildings. Electrical equipment and its supporting structure installed in hospital buildings, public school and community college buildings, essential services buildings, and state buildings shall be anchored and braced to withstand the lateral forces, and shall accommodate calculated displacements as required by Part 2, Title 24, C.C.R.~~

* * *
(END OF ITEM)

ITEM 22
DSAAC 1/99
PART 3, ALL ARTICLES

APPROVED As Resubmitted
in the September 1999
Monograph, page 107

REPEAL ARTICLES OF THE 1996 NATIONAL ELECTRICAL CODE (NEC) AS PUBLISHED BY THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) AS ADOPTED IN THE 1998 CALIFORNIA ELECTRICAL BY THE DIVISION OF THE STATE ARCHITECT / ACCESS COMPLIANCE (DSAAC).

CARRY FORWARD EXISTING ACCESSIBILITY REGULATIONS AS LISTED BELOW:

| 1999 NEC Code Section | DSAAC Adoption |
|--|----------------|
| ARTICLE 089 – CA ADMINISTRATION | |
| 089-1 through 089-6 – CA | X |
| 089-7--#5-CA | X |
| 089-8 through 089-11 – CA | X |
| Chapter 2. Wiring and Protection | |
| 210 Adopt only those sections listed below Section 210-7(g) – CA | X |
| Chapter 3. Wiring Methods and Materials | |
| 346 RIGID METAL CONDUIT | X |
| 380 Adopt only those sections listed below Section 380-8(c) – CA | X |
| Chapter 5. Special Occupancies | |
| 540 MOTION PICTURE PROJECTORS | X |
| Chapter 7. Special Conditions | |
| 740 OVER 600, VOLTS, NOMINAL GENERAL | X |
| 760 Adopt only those sections listed below 760.16 – CA | X |

AMENDMENTS:

Article 210 Branch Circuits

210-7 Receptacles and Cord Connectors.

(g) **[For DSAAC] Installation Height.** Where access for people with physical disabilities is required by Article 089.7, the center of receptacle outlets on branch circuits of 30 amperes or less shall be installed *not more than 48 inches or* not less than 15 inches (381 mm) above the floor or working platform.

Exception No. 1: *Receptacle outlets installed as a part of permanently installed baseboard heaters are exempt.*

Exception No. 2: Required receptacle outlets shall be permitted in floors when adjacent to sliding panels or walls.

Exception No. 3: Baseboard electrical outlets used in relocatable partitions, window walls or other electrical convenience floor outlets are not subject to the minimum height requirements.

Exception No. 4: This section shall not apply to existing buildings when the enforcing agency determines that compliance with these standards would create an unreasonable hardship.

Article 380 Switches

380-8 Accessibility and Grouping

(a) **[For DSAAC] Installation.** *The center of the grip of the operating handle of controls or switches intended to be used by the occupant of the room or area to control lighting and receptacle outlets, appliances, or cooling, heating and ventilating equipment, shall be not more than 48 inches (1219 mm) above the floor or working platform.*

Article 760 Fire Alarm Systems

761 **[For DSAAC] Installation Height of Manual Stations.** *The center of fire alarm manual pull stations ~~initiating devices (boxes)~~ shall be located 48 inches above the level of the floor, working platform, ground surface or sidewalk.*

Exception: *Enforcement officials shall not retroactively require fire alarm initiating devices be relocated to a 48 inch (1219 mm) height.*

* * *

(END OF ITEM)

ITEM 23
HCD 1/99**APPROVED** As Resubmitted
in September 1999 Monograph,
page 110**PART 3, ALL ARTICLES**

REPEAL ARTICLES OF THE 1996 NATIONAL ELECTRICAL CODE (NEC) AS PUBLISHED BY THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) AS ADOPTED IN THE 1998 CALIFORNIA ELECTRICAL CODE (CEC) BY THE DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT (HCD).

ADOPT ALL ARTICLES OF THE 1999 NEC AS PUBLISHED BY NFPA.

AMEND VARIOUS ARTICLES AS PUBLISHED IN THE 1998 CEC.

ADOPT THE FOLLOWS ARTICLES:

| 1999 NEC Code Section | HCD 1 Adoption | HCD 1/AC Adoption | HCD 2 Adoption |
|---|-------------------------|-------------------|----------------|
| Article 089 – CA Administration | | | |
| 089 – CA As amended | X | | X |
| See attachments following this table. | | | |
| 089 – CA Sections 1, 2, 4, 5, 6, 8, & 11 w/o amendments | X | | X |
| 089-3 – CA W/Exceptions (a) & (b) | X Amendment Proposed | | |
| 089.6.1 – CA | X Amendment Proposed | | |
| 089.6.2 – CA | X Amendment Proposed | | |
| 089-7 – CA | X Amendment Proposed | | |
| 089-7.3A(b)9-CA | X Amendment Proposed | | |
| 089-7.3B(b)9.1 – CA | X Amendment Proposed | X | |
| 089-7.(b)9.2 – CA | X Amendment Proposed | | |
| 089-7.(b)9.3 – CA | X Amendment Proposed | | |
| 089-7.(b)9.3.2 – (a), (b), (c) | X Amendment Proposed | | |

| 1999 NEC Code Section | HCD 1 Adoption | HCD 1/AC Adoption | HCD 2 Adoption |
|---|-------------------------|-------------------|-------------------------|
| (d) CA | Proposed | | |
| 089-7(b)9.4 – 089-7(b)9.4.2 – CA | X Amendment Proposed | | |
| 089-7(b)9.5 – 089-7(b)9.5.2 – CA | X Amendment Proposed | | |
| 089-7(b)9.6 – 089-7(b)9.6.3 – CA | X Amendment Proposed | | |
| 089-4 7(b)10 – CA | | | X |
| 089-7(b)10.1 – 089-7(b)10.3 – CA | | | X Amendment Proposed |
| 90 Without Amendment | X | | X |
| Chapter 1. General | | | |
| 100 Without amendments | X | | X |
| 110 Without amendments | X | | X |
| Chapter 2. Wiring and Protection | | | |
| 200 Without amendments | X | | X |
| 210 – CA As amended | X | X | X |
| See attachments following this table. | | | |
| 210 Without amendments | | | X |
| 210-7(g) - 210-7(g.1) - CA As amended | | X | X |
| 215 | X | | X |
| 220 | X | | X |
| 225 | X | | X |
| 230 | X | | X |
| 240 | X | | X |
| 250 | X | | X |
| 280 | X | | X |
| Chapter 3. Wiring Methods and Materials | | | |
| 300 | X | | X |
| 305 | X | | X |
| 310 | X | | X |
| 318 | X | | X |
| 320 | X | | X |

| 1999 NEC Code Section | HCD 1 Adoption | HCD 1/AC Adoption | HCD 2 Adoption |
|--|----------------|-------------------|------------------------|
| 321 | X | | X |
| 324 As amended | X | | 324 Without amendments |
| See attachments following this table. | | | |
| 324-4 - CA | X | | |
| 325 | N/A | | N/A |
| 326 | X | | X |
| 328 | X | | X |
| 330 | X | | X |
| 331 | X | | X |
| 333 | X | | X |
| 334 | X | | X |
| 336 | X | | X |
| 338 | X | | X |
| 339 | X | | X |
| 340 | X | | X |
| 342 | X | | X |
| 343 | X | | X |
| 345 | X | | X |
| 346 | X | | X |
| 347 | X | | X |
| 348 | X | | X |
| 349 | X | | X |
| 350 | X | | X |
| 351 | X | | X |
| 352 | X | | X |
| 353 | X | | X |
| 354 | X | | X |
| 356 | X | | X |
| 358 | X | | X |
| 362 | X | | X |
| 363 | X | | X |
| 364 | X | | X |
| 365 | X | | X |
| 370 | X | | X |
| 373 | X | | X |
| 374 | X | | X |
| 380 | X | | X |
| 380-8(c) - CA 380-8(c.1) - CA As amended | | X | |
| See attachments following this table. | | | |
| 384 Without amendment | X | | X |
| Chapter 4. Equipment for General Use | | | |
| 400 | X | | X |
| 402 | X | | X |
| 410 | X | | X |
| 411 | X | | X |
| New Chapter - Lighting | | | |

| 1999 NEC Code Section | HCD 1 Adoption | HCD 1/AC Adoption | HCD 2 Adoption |
|---------------------------------------|-----------------|-------------------|-----------------|
| Systems Operating at 30 volts or less | | | |
| 422 | X | | X |
| 424 | X | | X |
| 426 | X | | X |
| 427 | X | | X |
| 430 | X | | X |
| 440 | X | | X |
| 445 | X | | X |
| 450 | X | | X |
| 455 | X | | X |
| 460 | X | | X |
| 470 | X | | X |
| 480 | X | | X |
| 490 (NEW) | X | | X |
| Chapter 5. Special Occupancies | | | |
| 500-517 | N/A | | N/A |
| 518 Without amendments | N/A | | X |
| 520 | N/A | | N/A |
| 525 | N/A | | N/A |
| 530 | N/A | | N/A |
| 540 | N/A | | N/A |
| 545 Without amendments | X | | X |
| 547 | N/A | | N/A |
| 550 | N/A | | N/A |
| 551 | N/A | | N/A |
| 552 | N/A | | N/A |
| 553 | N/A | | N/A |
| 555 | N/A | | N/A |
| Chapter 6. Special Equipment | | | |
| 600 | X | | X |
| 604 | N/A | | N/A |
| 605 | N/A | | N/A |
| 610 | N/A | | N/A |
| 620 | X | | X |
| 625 | SEE SFM ITEM 26 | | SEE SFM ITEM 26 |
| 630 | N/A | | N/A |
| 640 | N/A | | N/A |
| 645 | N/A | | N/A |
| 650 | N/A | | N/A |
| 660 | N/A | | N/A |
| 665 | N/A | | N/A |
| 668 | N/A | | N/A |
| 669 | N/A | | N/A |
| 670 | N/A | | N/A |
| 675 | N/A | | N/A |
| 680 | X | | X |
| 685 | N/A | | N/A |
| 690 | N/A | | N/A |

| 1999 NEC Code Section | HCD 1 Adoption | HCD 1/AC Adoption | HCD 2 Adoption |
|----------------------------------|------------------|-------------------|------------------|
| 695 | N/A | | N/A |
| Chapter 7. Special Conditions | | | |
| 700 | X | | X |
| 701 | N/A | | N/A |
| 702 | N/A | | N/A |
| 705 | N/A | | N/A |
| 710 | X | | X |
| 720 | X | | X |
| 725 | X | | N/A |
| 727 | N/A X | | N/A X |
| 760 | N/A X | | N/A X |
| 770 | N/A X | | N/A X |
| 780 | N/A X | | N/A X |
| Chapter 8. Communication Systems | | | |
| 800 | N/A | | N/A |
| 810 | N/A | | N/A |
| 820 | N/A | | N/A |
| Chapter 9. Tables | | | |
| Part A Tables | X | | X |
| Table 1 | X | | X |
| Table 4 | X | | X |
| Table 5 | X | | X |
| Table 5A | X | | X |
| Table 8 | X | | X |
| Table 9 | X | | X |
| Table 11(a) | X | | X |
| Table 1 (b) | X | | X |
| Table 12(a) | X | | X |
| Table 12(b) | X | | X |
| Appendix A | X N/A | | X N/A |
| Appendix B | X N/A | | X N/A |
| Appendix C | X | | X |
| Appendix D | X N/A | | X N/A |
| Appendix E | X N/A | | X N/A |
| Index | X N/A | | X N/A |

AMENDMENTS:**Amend Article 089 as follows:****Article 089 Administration**

Note: Article 089 has no corresponding Article in the NEC.

089-1. Title. The provisions contained in this Code shall be known as the "California Electrical Code," a portion of the "California Building Standards Code," as defined in the "California Building Standards Law" commencing with Section 18901 of the Health and Safety Code, and may be cited and referred to as the "California Electrical Code." The unqualified words "This Code" as used herein, refer only to the California Electrical Code, and do not include any other

portions of the California Building Standards Code. These provisions may also be cited as "C.E.C." or "Part 3" within other parts of the California Building Standards Code (Title 24).

089-2. Purpose. The purpose of this Code is to provide minimum standards to safeguard life or limb, health, property and public welfare, and to protect against hazards that may arise from the use of electricity by regulating and controlling the design, construction, installation, quality of materials, location and operation of electrical equipment, wiring and systems.

089-3. Scope. The provisions of this Code and the building standards contained herein, including those standards adopted by reference without amendments, where specifically adopted by the listed agencies under their cited authority and enforced by the enforcing agency specified in Section 089-8, shall apply to the construction, alteration, moving, demolition, repair and use of all electrical equipment, wiring and systems in or on any building or structure or outdoors on any premise or property; except such electrical equipment, wiring and systems which are expressly exempted by Section 089-4.

Exception: [For HCD 1] Additions, Alterations, Repairs and Moved Buildings. Notwithstanding other provisions of law, alterations, repairs, replacements, and moved buildings are governed by Health and Safety Code, Division 13, Part 1.5, Sections 17912, 17920.3, 17922 (c), 17922.3, 17958.8 and 17958.9, known as the State Housing Law and are implemented by the California Code of Regulations, Title 25, Chapter 1. Health and Safety Code sections 17958.8 and 17958.9 are repeated here for clarity and reads as follows:

(a) 17958.8. "Local ordinances or regulations governing alterations and repair of existing buildings shall permit the replacement, retention, and extension of original materials and the use of original methods of construction as long as the hotel, lodging house, motel, apartment house, or dwelling, or portions thereof, or building and structure accessory thereto, complies with the provisions published in the State Building Standards Code and the other rules and regulations of the department or alternative local standards adopted pursuant to Section 17920.7 and does not become or continue to be a substandard building."

(b) 17958.9. "Local ordinances or regulations governing the moving of apartment houses and dwellings shall, after July 1, 1978, permit the retention of existing materials and methods of construction so long as the apartment house or dwelling complies with the building standards for foundation applicable to new construction, and does not become or continue to be a substandard building."

089-4. Exempted from this Code. This Code does not cover:

(a) Installations in ships, watercraft other than floating dwelling units, railway rolling stock, aircraft, automotive

vehicles, commercial coaches, mobilehomes and recreational vehicles.

(b) Installations underground in mines, mine shafts and tunnels.

(c) Installations of railways for generation, transformation, transmission, or distribution of power used exclusively for operation of rolling stock or installations used exclusively for signaling and communication purposes.

(d) Installation of communication equipment under the exclusive control of communication utilities, located outdoors or in building spaces used exclusively for such installations.

(e) Installations under the exclusive control of electrical utilities for the purpose of communication, or metering; or for the generation, control, transformation, transmission, and distribution of electrical energy located in buildings used exclusively by utilities for such purposes or located outdoors on property owned or leased by the utility or on public highways, streets, roads, etc., or outdoors by established rights on private property.

Exception to (d) and (e): In places of employment, the following shall apply: installations of conductors, equipment and associated enclosures subject to the jurisdiction of the California Public Utilities Commission, that are owned, operated and maintained by an electric, communications or electric railway utility, but not including conduit, vaults, and other like enclosures containing conductors and equipment of such a utility when located indoors or on premises not used exclusively for utility purposes, but do not apply to the utility's conductors and equipment therein.

(f) Installations on highways or bridges.

089-5. Non-Building Standards, Orders and Regulations.

(a) Requirements contained in the National Electrical Code (NEC), or in any other referenced code, document or standard, which are not building standards as defined in Section 18912 of the Health and Safety Code, shall not be construed as a part of the provisions of this Code.

(b) For the applicability of regulations, safety and other orders, and standards which relate to the administration, enforcement, maintenance, operation and similar non-building standards, see other titles of the California Code of Regulations.

089-6. Order of Precedence and Use.

(a) In the event of any difference between the provisions of this Code and the National Electrical Code (NEC), or between this Code and the provisions of any other referenced code, document or standard, the text of this Code shall govern. Where a specific provision varies from a general provision, the specific provisions shall apply.

(b) If a section of this Code makes a cross-reference to another section or table in the National Electrical Code (NEC), such cross-referencing shall be interpreted to mean that which is shown in the NEC unless the referenced section or table has been amended or modified in this Code for the particular enforcing agency.

(c) If a section in the National Electrical Code (NEC) makes a cross-reference to another section or table in the NEC, such cross-referencing shall be interpreted to mean that which is shown in the NEC unless the referenced section or table has been amended or modified in this Code for the particular enforcing agency.

(d) When adopted by a State agency, and approved by the Commission, the text of amended provisions contained in this Code shall take precedence over the corresponding provisions of the National Electrical Code (NEC).

089.6.1 [For HCD 1] Local Variances. For clarification purposes, the applicable Health & Safety Code Section 17958.5 are repeated here and reads as follows:

Section 17958.5. "Except as provided in Section 17922.6, in adopting the ordinances or regulations pursuant to Section 17958, a city or county may make such changes or modifications in the requirements contained in the provisions published in the California Building Standards Code and the other regulations adopted pursuant to Section 17922 as it determines, pursuant to the provisions of Section 17958.7, are reasonably necessary because of local climatic, geological, or topographical conditions."

"For purposes of this subdivision, a city and county may make reasonably necessary modifications to the requirements, adopted pursuant to Section 17922, contained in the provisions of the code and regulation on the basis of local conditions."

089.6.2 [For HCD 1] Findings, Filing and Rejections of Local Variances. For clarification purposes, the applicable subsection of Health & Safety Code Section 17958.7 is repeated here and reads as follows:

Section 17958.7

(a) "Except as provided in Section 17922.6, the governing body of a city or county, before making any modifications or changes pursuant to Section 17958.5, shall make an express finding that such modifications or changes are reasonably necessary because of local climatic, geological or topographical conditions. Such a finding shall be available as a public record. A copy of those findings, together with the modification or change expressly marked and identified to which each finding refers, shall be filed with the California Building Standards Commission. No modification or change shall become effective or operative for any purpose until the finding and the modification or change have been filed with the California Building Standards Commission."

(b) "The California Building Standards Commission may reject a modification or change filed by the governing body of a city or county if no finding was submitted."

089-7. Application.**3A. HCD-1 -- Department of Housing and Community Development.**

~~**Application** -- Hotels, motels, lodging houses, apartment houses, dwellings, employee housing, and factory-built housing.~~

Application - Hotels, motels, lodging houses, apartment houses, dwellings, dormitories, condominiums, shelters for homeless persons, congregate residences, employee housing and factory-built housing, and any other types of dwellings containing sleeping accommodations with common toilet or cooking facilities. Reference 089-7.8 SFM for fire and panic safety.

3B. HCD 1/AC -- Department of Housing and Community Development.

Application -- Multifamily dwelling units, including but not limited to, lodging houses, dormitories, time-share dwellings, condominiums, shelters for homeless persons, congregate residences, apartment houses, dwellings, employee housing, factory-built housing and any other types of dwellings containing sleeping accommodations with common toilet or cooking facilities which are not subject to DSAAC requirements.

~~Access and adaptability requirements for the physically disabled shall apply to all newly constructed privately funded covered multifamily dwelling units in buildings having three or more dwelling units and privately funded shelters intended for occupancy as a residence for homeless persons. These regulations do not apply to buildings containing less than four condominium dwelling units. These regulations also do not apply to the repair, rehabilitation or additions to apartment houses, condominiums or time share units.~~

HCD 1/AC -- (Department of Housing and Community Development, Access Compliance).

Application -- Whenever the identification "HCD 1/AC" appears in this code, it shall mean the following provision by the California Department of Housing and Community Development requires specific accommodations for persons with physical disabilities, as defined in Chapter 11A, of the California Code of Regulations, Title 24, Part 2, also known as the California Building Code. The application of such provisions shall apply only to Group R Occupancies which are newly-constructed multifamily structures (as defined in Chapter 2 of the California Building Code), including but not limited to, the following:

1. Apartment Buildings with 3 or more dwelling units.
2. Condominiums with 4 or more dwelling units.
3. Lodging Houses, as defined in Chapter 2 of the California Building Code, when used as a residence with 3 or more guest rooms.
4. Congregate Residences, as defined in Chapter 2 of the California Building Code.
5. Dwellings with 3 or more efficiency units, as defined in Chapter 2 of the California Building Code or Section 17958.1 of the California Health and Safety Code.

6. Shelters for the homeless not otherwise subject to the disabled access provisions of the Division of the State Architect-Access Compliance (DSAAC).

7. Dormitories, as defined in Chapter 2 of the California Building Code, with 3 or more guestrooms as defined in Chapter 2 of the California Building Code.

8. Time-share Dwellings with 3 or more units, except for condominiums covered in item #2 above.

9. Other Group R Occupancies in covered multifamily dwellings, which are established regulated by the Office of the State Fire Marshal in Chapter 3 of the California Building Code.

Buildings or portions of buildings of the same or similar occupancies, or mixed occupancies, and buildings accessory thereto, may also be subject to the disabled access provisions adopted by DSAAC. Buildings subject to the disabled access regulations of the DSAAC are identified in Section 089-7.5 of this Code.

These multifamily structure disabled access regulations do not apply to the alteration, repair, rehabilitation or additions to existing Group R Occupancies that were constructed and occupied prior to July 15, 1992. These regulations also generally do not cover public accommodations such as hotels and motels.

Note: For specific requirements and Exceptions, see Part 2, Chapters 31, 33 and 51 10, 11A and 30, as amended, California Building Code; Articles 210-7 (g) - (g.1), 324.4 Exceptions # 1- 6 and 380-8 (c) - (c.1), as amended, of this part, and Part 5, Chapter 15, as amended, California Plumbing Code, Title 24, California Code of Regulations. (This regulation is effective on an emergency basis July 15, 1992).

3.1 General - State Housing Law; City or County Enforcement ~~{For HCD 1}~~.

Notwithstanding other provisions of law, Health and Safety Code, Division 13, Parts 1.5, Section 17960 is repeated here for clarity and specificity and reads as follows:

17960. "The building department of every city or county shall enforce within its jurisdiction all the provisions published in the State Building Standards Code, the provisions of this part, and the other rules and regulations promulgated pursuant to the provisions of this part pertaining to the erection, construction, reconstruction, movement, enlargement, conversion, alteration, repair, removal, demolition, or arrangement of apartment houses, hotels, or dwellings."

3.2 Right of Entry For Enforcement. ~~{For HCD 1}~~.

Notwithstanding other provisions of law, Health and Safety Code Sections 17050(i), 17970, 17971, 17972 are repeated here for clarity and read as follows:

(a) 17050 (i). "The enforcement agency may:

- (1). Enter public or private properties to determine whether there exists any employee housing to which this part applies.
- (2). Enter and inspect all employee housing wheresoever situated, and inspect all

accommodations, equipment, or paraphernalia connected therewith.

- (3). Enter and inspect the land adjacent to the employee housing to determine whether the sanitary and other requirements of this part, the building standards published in the California Building Standards Code relating to employee housing, and the other rules and regulations adopted pursuant to this part have been or are being complied with.;

(b) 17970. "Any officer, employee, or agent of an enforcement agency may enter and inspect any building or premises whenever necessary to secure compliance with, or prevent a violation of, any provision of this part, the building standards published in the State Building Standards Code, and other rules and regulations promulgated pursuant to the provisions of this part which the enforcement agency has the power to enforce."

(c) 17971. "The owner, or authorized agent of any owner, of any building or premises may enter the building or premises whenever necessary to carry out any instructions, or perform any work required to be done pursuant to this part, the building standards published in the State Building Standards Code, and other rules and regulations promulgated pursuant to the provisions of this part."

(d) 17972. "No person authorized by this article to enter buildings shall enter any dwelling between the hours of 6 o'clock p.m. of any day and 8 o'clock a.m. of the succeeding day, without the consent of the owner or of the occupants of the dwelling, nor enter any dwelling in the absence of the occupants without a proper written order executed and issued by a court having jurisdiction to issue the order."

3.3 Unsafe Buildings or Structures.

3.3.1 Authority to Enforce ~~{For HCD-1}~~

Notwithstanding other provisions of law, for administration, enforcement, actions, proceedings, abatement, violations and penalties in structures subject to State Housing Law, refer to California Health and Safety Code, Division 13, Part 1.5, Sections 17910 through 17995.5 and California Code of Regulations, Title 25, Division 1, Chapter 1.

3.3.2 Employee Housing ~~{For HCD-1}~~

Notwithstanding other provisions of law, for administration, enforcement, actions, proceedings, violations and penalties applicable to structures subject to the Employee Housing Act, refer to Health and Safety Code, Division 13, Part 1, Sections 17000 through 17062.5 and California Code of Regulations, Title 25, Division 1, Chapter 1.

3.4 Violations.

3.4.1 Actions and Proceedings. ~~{For HCD-1}~~

Notwithstanding other provisions of law, Health and Safety Code, Division 13, Part 1.5, Sections 17980 through 17995.5 address punishments, penalties and fines for violations of building standards in structures subject to State Housing Law and California Code of Regulations, Title 25, Division 1, Chapter 1.

3.4.2 Actions and Proceedings. ~~{For HCD-1}~~. (For Employee Housing).

Notwithstanding other provisions of law, and Health and Safety Code, Division 13, Part 1, Sections 17055 through 17062.5 address punishments, penalties and fines for violations of building standards in structures subject to the Employee Housing Act and California Code of Regulations, Title 25, Division 1, Chapter 1.

3.5 Methods for Approval of Alternates.

3.5.1 Alternate for Materials, Designs, Tests and Methods of Construction. ~~{For HCD-1}~~

Notwithstanding other provisions of law, the method for approval of alternate materials, design, tests and methods of construction are set forth in State Housing Law, Health and Safety Code, Division 13, Part 1.5, Section 17923 or 17951 (d) and California Code of Regulations, Title 25, Division 1, Chapter 1.

3.5.2 Alternate for Materials, Designs, Tests and Methods of Construction ~~{For HCD-1}~~. (For Employee Housing)

Notwithstanding other provisions of law, the method for approval of alternate materials, appliances, installation, device, arrangement, or method of construction are set forth in the Employee Housing Act, Health and Safety Code, Division 13, Part 1, Section 17002 and California Code of Regulations, Title 25, Division 1, Chapter 1.

3.6 Fees and Plan Review. ~~{For HCD-1}~~

3.6.1 General ~~{For HCD-1}~~

Notwithstanding other provisions of law, reference State Housing Law, Health and Safety Code, Division 13, Part 1.5, Section 17951 and California Code of Regulations, Title 25, Division 1, Chapter 1 for local enforcement agency's authority to prescribe fees.

3.6.2 Plan Review and Time Limitations ~~{For HCD-1}~~

Notwithstanding other provisions of law, provisions related to plan checking, prohibition of excessive delays and contracting with or employment of private parties to perform plan checking are set forth in State Housing Law, Health and Safety Code, Division 13, Part 1.5, Section 17960.1.

3.6.3 Retention of Plans. ~~{For HCD-1}~~

Note: Reference Health and Safety Code, Sections 19850 and 19851 for provisions related to permanent retention of plans.

Enforcing Agency -- Local Building Department or the Department of Housing and Community Development.

Authority Cited -- Health and Safety Code sections 17921, 17922, 19990 and 50559.

Reference -- Health and Safety Code sections 17000 through 17060, 17910 through 17990, 19960 through 19997 and 50559.

4. HCD-2 -- Department of Housing and Community Development

Application--- Permanent buildings in mobilehome parks, recreational vehicle parks, temporary recreational parks,

travel trailer parks, campgrounds and special occupancy parks.

4.1 Right of Entry For Enforcement. [For HCD 2].

Notwithstanding other provisions of law, Health and Safety Code, Division 13, Part 2.1, Section 18400 is repeated below for clarity.

18400.

“(a) The department shall enforce this part and the rules and regulations adopted pursuant to this part, except as provided in Section 18300.

(b) The officers or agents of the enforcement agency may do either of the following:

(1) Enter public or private property to determine whether there exists any park to which this part applies.

(2) Enter and inspect all parks, wherever situated, and inspect all accommodations, equipment, or paraphernalia used in connection therewith, including the right to examine any regulations adopted pursuant to this part.”

4.2 Actions and Proceedings. [For HCD 2].

Notwithstanding other provisions of law, Health and Safety Code, Division 13, Part 2.1, Sections 18402, 18404, 18423 and 18700 address punishments, penalties and fines for violations of building standards subject to the Mobilehome Parks Act.

4.3 Alternate for Materials, Designs, Tests and Methods of Construction. [For HCD 2].

Notwithstanding other provisions of law, the method for approval of alternate materials, appliances, installation, device, arrangement, or method of construction are set forth in the Mobilehome Parks Act, Health and Safety Code, Division 13, Part 2.1, Section 18305.

Enforcing Agency -- Local building department or the Department of Housing and Community Development.

Authority Cited -- Health and Safety Code Section 18300, 18610 and 18670.

Reference Cited -- Health and Safety Code Section 18200 ~~18207~~ and ~~18300~~ through 18851

Amend Section 210-7(g) and (g.1) as follows:

Existing CA Amendments being brought forward. The only changes here are to show the HCD 1/AC, new identification and the repealed HCD 1 and HCD 2 identifications because they are not applicable.

Article 210 Branch Circuits

210-7(g) [~~HCD—1~~] [For HCD 1/AC w/Exceptions] - Installation Heights

Where access for people with physical disabilities is required by Article 089-7, the center of receptacle outlets on branch circuits of 30 amperes or less shall be installed not more than 48 inches nor less than 15 inches (381 mm) above the floor or working platform.

Exception No. 1: Receptacle outlets installed as part of permanently installed baseboard heaters are exempt.

Exception No. 2: Required receptacle outlets shall be permitted in floors when adjacent to sliding panels or walls.

Exception No. 3: Baseboard electrical outlets used in relocatable partitions, window walls or other electrical convenience floor outlets are not subject to the minimum height requirements.

Exception No. 4: This section shall not apply to existing buildings when the enforcing agency determines that compliance with these standards would create unreasonable hardship.

210-7(g.1) [~~HCD-1~~] [For HCD 1/AC]

When access for persons with physical disabilities is required in covered multifamily dwelling units, the center of receptacle outlets on branch circuit of 30 amperes or less shall be located no higher than 48 inches (1219 mm), and no lower than 15 inches (381 mm), above the floor. If the reach is over an obstruction (for example, a kitchen base cabinet) between 20 and 25 inches (508 and 635 mm) in depth, the maximum height is reduced to 44 inches (1118 mm) for forward approach, or 46 inches (1168 mm) for side approach, provided the obstruction is no more than 24 inches (610 mm) in depth. Obstructions shall not extend more than 25 inches (635 mm) from the wall beneath the receptacle.

Outlets that do not satisfy these specifications are acceptable provided that comparable outlets, that perform the same functions, are provided within the same area and are accessible.

Carry forward California amendments to Section 324-4 as follows:

Existing CA Amendment being brought forward with one editorial change in Exception no. 4.

Article 324 Concealed Knob-and-Tube Wiring

324-4. Uses Not Permitted. Concealed knob-and-tube wiring shall not be used in commercial garages, theaters and similar locations, motion picture studios, hazardous (classified) locations or in the hollow spaces of walls, ceilings and attics when such spaces are insulated by loose, rolled, or foamed-in-place insulating material that envelopes the conductors.

Exception: [For HCD 1] This article is not intended to prohibit the installation of insulation where knob-and-tube wiring is present, provided the following are complied with:

(1) The wiring shall be surveyed by an electrical contractor licensed by the State of California. Certification shall be provided by the electrical contractor that the existing wiring is in good condition with no evidence of deterioration or improper over-current protection, and has no improper connections or splices. Repairs, alterations or extensions to the electrical system will require permits and inspections by the authority having jurisdiction for the enforcement of this code.

perform the same functions, are provided within the same area and are accessible.

* * *
(END OF ITEM)

(2) The certification form shall be filed with the authority having jurisdiction for the enforcement of this code and a copy furnished to the property owner.

(3) All accessible areas in the building where insulation has been installed around knob-and-tube wiring shall be posted by the insulation contractor with a notice, clearly visible, stating that caution is required when entering these areas. The notice shall be printed in both English and Spanish.

(4) The insulation shall be noncombustible as defined by Section 215.2-N of Part 2 of this Title.

(5) The insulation shall not have any electrical conductive material as part of or supporting the insulation material.

(6) Nothing in this Exception will prohibit the authority having jurisdiction for the enforcement of this code from requiring permits and inspections for the installation of thermal insulation.

Amend Sections 380-8(c) as follows:

Article 380 Switches

380-8. Accessibility and Grouping

(c) ~~[HCD-4]~~ [For HCD 1/AC] - Installation

Where access for people with disabilities is required by Article 089-7, the center of the grip of the operating handle of controls or switches intended to be used by the occupant of the room or area to control lighting and receptacle outlets, appliances or cooling, heating and ventilating equipment, shall be not more than 48 inches (1219 mm) above the floor or working platform.

(c.1) ~~[HCD-4]~~ [For HCD 1/AC] Installation

When access for people with physical disabilities is required in covered multifamily dwelling units, light switches, thermostats and other environmental controls shall be located no higher than 48 inches (1219 mm), and no lower than 15 inches (381 mm), above the floor. If the reach is over an obstruction (for example, a kitchen base cabinet) between 20 and 25 inches (508 and 635 mm) in depth, the maximum height is reduced to 44 inches (1118 mm) for forward approach, or 46 inches (1168 mm) for side approach, provided the obstruction is no more than 24 inches (610 mm) in depth. Obstructions shall not extend more than 25 inches (635 mm) from the wall beneath a control. Controls that do not satisfy these specifications are acceptable provided that comparable controls or outlets, that

ITEM 24
OSHPD 2/99
APPROVED As Amended per
Comment 1 in the December
1999 Monograph, page 120

PART 3, ALL ARTICLES

PART 4, SECTION 108.1.1.12.3

PART 5, SECTION 101.11

REPEAL ARTICLES OF THE 1996 NATIONAL ELECTRICAL CODE (NEC) AS PUBLISHED BY THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) AS ADOPTED IN THE 1998 CALIFORNIA ELECTRICAL CODE (CEC) BY THE OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT.

ADOPT VARIOUS ARTICLES OF THE 1999 NEC AS PUBLISHED BY NFPA WITH NECESSARY CALIFORNIA AMENDMENTS AND CARRY FORWARD EXISTING AMENDMENTS.

ADOPT THE FOLLOWING ARTICLES:

| OSHPD Adoptions | | | | |
|---|---|---|---|---|
| 1999 NEC Code Section | 1 | 2 | 3 | 4 |
| ARTICLE 089 - CA ADMINISTRATI ON | | | | |
| 089-1 through 089-6 – CA | X | X | X | X |
| 089-7--#7 - CA | X | X | X | X |
| 089-8 through 089-11 – CA | X | X | X | X |
| 90 | X | X | X | X |
| Chapter 1. General | | | | |
| 100 | X | X | X | X |
| 110 | | | X | |
| 110 As amended (amendment listed below) | X | X | | X |
| 110-13(c) - CA | X | X | | X |
| 110-26(f), Excep. 2 – CA | X | X | | X |
| Chapter 2. Wiring and Protection | | | | |
| 200 | X | X | X | X |
| 210 | X | X | X | X |
| 215 | X | X | X | X |
| 220 | X | X | X | X |
| 225 | X | X | X | X |
| 230 | X | X | X | X |
| 240 | X | X | X | X |
| 250 | X | X | X | X |
| 280 | X | X | X | X |

| OSHPD Adoptions | | | | |
|--|---|---|---|---|
| 1999 NEC Code Section | 1 | 2 | 3 | 4 |
| Chapter 3. Wiring Methods and Materials | | | | |
| 300 | X | X | X | X |
| 305 | X | X | X | X |
| 310 | X | X | X | X |
| 318 As amended (amendments listed below) | X | X | X | X |
| 318-4 - CA | X | X | X | X |
| 320 | X | X | X | X |
| 321 | X | X | X | X |
| 324 | X | X | X | X |
| 325 | X | X | X | X |
| 326 | X | X | X | X |
| 328 | X | X | X | X |
| 330 | X | X | X | X |
| 331 As amended (amendments listed below) | X | X | X | X |
| 331-4 (10) - CA | X | X | X | X |
| 333 | X | X | X | X |
| 334 | X | X | X | X |
| 336 | X | X | X | X |
| 338 | X | X | X | X |
| 339 | X | X | X | X |
| 340 | X | X | X | X |
| 342 As amended (amendment listed below) | X | X | X | X |
| 342-4(f) - CA | X | X | X | X |
| 343 | X | X | X | X |
| 345 | X | X | X | X |
| 346 | X | X | X | X |
| 347 As amended (amendment listed below) | X | X | X | X |
| 347-3(g) | X | X | X | X |
| 348 | X | X | X | X |
| 349 | X | X | X | X |
| 350 | X | X | X | X |
| 351 | X | X | X | X |
| 352 AS AMENDED (amendment listed below) | X | X | X | X |
| 352-22(a) (c) - CA | X | X | X | X |
| 353 As amended (amendment listed below) | X | X | X | X |

| | OSHPD Adoptions | | | |
|---|-----------------|---|---|---|
| 1999 NEC Code Section | 1 | 2 | 3 | 4 |
| 353-2(a) (c) - CA | X | X | X | X |
| 354 | X | X | X | X |
| 356 | X | X | X | X |
| 358 | X | X | X | X |
| 362 | X | X | X | X |
| 363 | X | X | X | X |
| 364 | X | X | X | X |
| 365 | X | X | X | X |
| 370 | X | X | X | X |
| 373 | X | X | X | X |
| 374 | X | X | X | X |
| 380 | X | X | X | X |
| 384 | X | X | X | X |
| 384-4 Exception 2-CA | X | X | X | X |
| Chapter 4. Equipment for General Use | | | | |
| 400 | X | X | X | X |
| 402 | X | X | X | X |
| 410 | X | X | X | X |
| 411 | X | X | X | X |
| 422 | X | X | X | X |
| 424 | X | X | X | X |
| 426 | X | X | X | X |
| 427 | X | X | X | X |
| 430 | X | X | X | X |
| 440 | X | X | X | X |
| 445 | X | X | X | X |
| 450 | X | X | X | X |
| 455 | X | X | X | X |
| 460 | X | X | X | X |
| 470 | X | X | X | X |
| 480 | X | X | X | X |
| 490 | X | X | X | X |
| Chapter 5. Special Occupancies | | | | |
| 500 | X | X | X | X |
| 501 | X | X | X | X |
| 502 | X | X | X | X |
| 503 | X | X | X | X |
| 504 | X | X | X | X |
| 505 | X | X | X | X |
| 510 | X | X | X | X |
| 511 | X | X | X | X |
| 513 | X | X | X | X |
| 514 | X | X | X | X |
| 515 | X | X | X | X |
| 516 | X | X | X | X |
| 517 As amended (amendments listed below) | X | X | X | X |
| 517-3 (2) (b) -CA | X | X | X | X |
| 517-4 - CA | X | X | | X |

| | OSHPD Adoptions | | | |
|---|-----------------|-----|-----|-----|
| 1999 NEC Code Section | 1 | 2 | 3 | 4 |
| 517-10.1 - CA | X | X | X | X |
| 517-18 (a.1) w/excps. 2 & 2.1- CA | X | X | X | X |
| 517-18(b) excps. 1 & 3 - CA | X | X | X | |
| 517-18 (d) - CA | X | X | | X |
| 517-19 (b) excp.1 - CA | X | X | | X |
| 517-22, 23, 24 - CA | X | X | X | X |
| 517-30 (a) - CA | X | | | X |
| 517-30 (b) 6-7 - CA | X | X | | X |
| 517-30 (d.1) - CA | X | X | X | X |
| 517-32 (c) <u>3</u> (f) - CA | X | | | |
| 517-33 (a) 8 (j)--(n) - CA | X | | | |
| 517-34 (b) (1.1) - CA | X | | | X |
| 517-40 (a.1) - CA | X | X | | X |
| 517-42 (c) (3) - CA | X | X | | X |
| 517-43 (a) 5 & 6 - CA | X | X | | X |
| 517-43 (b) (1.1) - CA | X | X | | X |
| 517-44 (b.1) - CA | X | X | | X |
| 517-50 (c) (1) w/excp. <u>2</u> 1 - CA | X | X | X | X |
| 517-50 (d), (e) - CA | X | X | X | X |
| 517-123 - CA | X | X | X | X |
| 518 | X | X | X | X |
| 520 | X | X | X | X |
| 525 | N/A | N/A | N/A | N/A |
| 530 | N/A | N/A | N/A | N/A |
| 540 | X | X | X | X |
| 545 | X | X | X | X |
| 547 | N/A | N/A | N/A | N/A |
| 550 | X | X | X | X |
| 551 | N/A | N/A | N/A | N/A |
| 552 | X | X | X | X |
| 553 | N/A | N/A | N/A | N/A |
| 555 | N/A | N/A | N/A | N/A |
| Chapter 6. Special Equipment | | | | |
| 600 | X | X | X | X |
| 604 | X | X | X | X |
| 605 | X | X | X | X |
| 610 | X | X | X | X |
| 620 | | X | X | X |

| | OSHPD Adoptions | | | |
|---|-----------------|---|---|---|
| 1999 NEC Code Section | 1 | 2 | 3 | 4 |
| 620 As amended (amendment listed below) | X | | | |
| 620-21 (a) 5 - CA | X | | | |
| 625 | X | X | X | X |
| 630 | X | X | X | X |
| 640 | X | X | X | X |
| 645 | X | X | X | X |
| 650 | X | X | X | X |
| 660 | X | X | X | X |
| 665 | X | X | X | X |
| 668 | X | X | X | X |
| 669 | X | X | X | X |
| 670 | X | X | X | X |
| 675 | X | X | X | X |
| 680 | | | X | |
| 680 As amended (amendment listed below) | X | X | | X |
| 680-62 (f)-(g) (1) - CA | X | X | | X |
| 685 | X | X | X | X |
| 690 | X | X | X | X |
| 695 | X | X | X | X |
| Chapter 7. Special Conditions | | | | |
| 700 As amended (amendment listed below) | X | X | X | X |
| 700-12 (b) (2) excps. 1, 2, & 3 - CA | X | X | X | X |
| 701 | X | X | X | X |
| 702 | X | X | X | X |
| 705 | X | X | X | X |
| 720 | X | X | X | X |
| 725 | X | X | X | X |
| 727 | X | X | X | X |
| 760 | X | X | X | X |
| 770 | X | X | X | X |
| 780 | X | X | X | X |
| Chapter 8. Communications Systems | | | | |
| 800 | X | X | X | X |
| 810 | X | X | X | X |
| 820 | X | X | X | X |
| 830 | X | X | X | X |

| | OSHPD Adoptions | | | |
|-----------------------|-----------------|---|---|---|
| 1999 NEC Code Section | 1 | 2 | 3 | 4 |
| Chapter 9. Tables | X | X | X | X |
| Appendix C | X | X | X | X |
| Appendix A Through E | X | X | X | X |

AMEND AS FOLLOWS:**AMEND ARTICLE 89-7 AS FOLLOWS:****ARTICLE 089 – ADMINISTRATION****89-7 Application.****7. OSHPD—Office of Statewide Health Planning and Development.****A. OSHPD 1.***Application—General acute-care ...***B. OSHPD 2.***Application—Skilled nursing***C. OSHPD 3.***Application—Licensed cGlinics**Enforcing Authority—Local Building Departments**Authority Cited—H&SC §446.2, 446.3, and 1226.**Reference—H&SC §446.2, 446.3, and 1226, GC §54350, H&SC §150771.1 and State Constitution Article 11 §7.***EDITORIALLY AMEND ARTICLE 110-26(f) AS FOLLOWS TO INDICATE PLACEMENT OF THE 1998 CEC CALIFORNIA AMENDMENT INTO THE FOLLOWING 1999 NEC FORMAT:**

Note: OSHPD amendment Article 384-4, Exception No. 2 of the 1998 CEC needs to be relocated to correspond with the 1999 NEC. In the 1999 NEC, as depicted below, Article 384-4 refers the code user to Article 110-26(f) for dedicated equipment space requirements.

Article 110 Requirements for Electrical Installations
B. 600 Volts, Nominal, or Less

110-26. Spaces About Electrical Equipment. ...

(f) Dedicated Equipment Space. *Equipment within the scope of Article 384, and motor control centers, shall be located in dedicated spaces and protected from damage as covered in (1) and (2).*

Exception No. 1: *Control equipment that by its very nature or because of other rules of the Code must be adjacent to or within sight of its operating machinery shall be permitted in those locations.*

Exception No. 2: *[For OSHPD 1, 2 & 4] Wall spaces in patient care rooms shall not be used for the*

installation of switchboards and panelboards, unless dedicated for that room.

Article 384 Switchboards and Panel Boards

A. General

384-4. Installation.

FPN: For the dedicated space requirement, see Section 110-26(f).

~~**Exception No. 2:** [For OSHPD 1, 2, 3, & 4] Wall spaces in patient care rooms shall not be used for the installation of switchboards and panel boards, unless dedicated for that room.~~

EDITORIALLY AMEND ARTICLE 352-22 AS FOLLOWS TO INDICATE PLACEMENT OF THE 1998 CEC CALIFORNIA AMENDMENT INTO THE FOLLOWING 1999 NEC FORMAT:

Article 352 Surface Metal Raceways and Surface Nonmetallic Raceways

B. Surface Nonmetallic Raceways

352-22. Use.

(a) **Permitted.** The use of surface nonmetallic raceways shall be permitted in dry locations.

(b) **Not Permitted.** ...

~~(a) (c) [For OSHPD 1, 2, 3 & 4] Surface nonmetallic raceways shall not be used for branch circuits in patient care areas of hospitals, nursing homes, clinics, and correctional treatment centers, except for low voltage application.~~

EDITORIALLY AMEND ARTICLE 353-2 AS FOLLOWS TO INDICATE PLACEMENT OF THE 1998 CEC CALIFORNIA AMENDMENT INTO THE FOLLOWING 1999 NEC FORMAT:

Article 353 Multi-outlet Assembly

353-2. Use.

(a) **Permitted.** The use of multi-outlet assembly shall be permitted in dry locations.

(b) **Not Permitted.** ...

~~(a) (c) [For OSHPD 1, 2, 3 & 4] Nonmetallic multi-outlet assembly shall not be used in patient care areas of hospitals, nursing homes, clinics and correctional treatment centers.~~

EDITORIALLY AMEND ARTICLE 517-3 AS FOLLOWS TO INDICATE PLACEMENT OF THE 1998 CEC CALIFORNIA AMENDMENT INTO THE FOLLOWING 1999 NEC FORMAT:

Article 517 Health Care Facilities

A. General

517-3. Definitions. ...

Patient Care Area. Any portion of a health care facility..

~~(4) (a) General Care Areas.~~ ...

~~(2) (b) Critical Care Areas.~~ Critical care areas are those special care units, intensive care units, coronary care units, angiography laboratories, cardiac catheterization laboratories, delivery rooms, operating rooms, [For OSHPD 1, 2, 3 & 4], post-operative recovery rooms and similar areas in which patients are intended to be subjected to invasive procedures and connected to line-operated, electromedical devices.

AMEND ARTICLE 517-18 (a.1) and (b) AS FOLLOWS:

Article 517 Health Care Facilities

B. Wiring and Protection

517-10. Applicability.

517-10.1 [For OSHPD 1, 2, 3, 4] Applicability.

Part B shall apply to hospitals, nursing homes, clinics and correctional treatment centers.

Exception: Part B shall not apply to business offices, corridors, waiting rooms and the like in clinics and outpatient facilities.

517-11. General Installation/Construction Criteria. ...

517-18. General Care Areas.

(a) **Patient Bed Location.** Each patient bed location shall be supplied by at least two branch circuits, one from the emergency system and one from the normal system. All branch circuits from the normal system shall originate in the same panel board.

(a.1) [For OSHPD 1, 2, 3 & 4] Patient Bed Location Branch Circuits. Each patient bed location where inpatient care is provided shall be supplied by at least two branch circuits, at least one of which originates in a normal panelboard or equipment emergency branch panel board, and at least one of which originates from the critical branch emergency panelboard.

Exception No. 1: Branch circuits serving only special-purpose outlets or receptacles, such as portable X-ray outlets, shall not be required to be served from the same distribution panel or panels.

Exception No. 2: Requirements for Section 517-18(a) shall not apply to patient bed locations in clinics, medical and dental offices, and outpatient facilities; psychiatric, substance abuse, and rehabilitation hospitals; sleeping rooms of nursing homes and limited care facilities meeting the requirements of Section 517-10(b)(2) [for OSHPD 1, 2, 3, 4] Section 517-10.1, Exceptions.

Exception No. 2.1: *[For OSHPD 1, 2, 3,4] Clinics, outpatient facilities, psychiatric, substance abuse and rehabilitation hospitals, nursing homes and correctional treatment centers providing only basic services.*

(b) Patient Bed Location Receptacles. Each patient bed location shall be provided with a minimum of four receptacles. They shall be permitted to be of the single or duplex types or a combination of both. All receptacles, whether four or more, shall be listed "hospital grade" and so identified. Each receptacle shall be grounded by means of an insulated copper conductor sized in accordance with Table 250-122.

Exception No. 1: Requirements of Section 517-18(b) shall not apply to psychiatric, substance abuse, and rehabilitation hospitals meeting the requirements of Section 517-10(b)(2) [for OSHPD 1, 2, 3,4] Section 517-10.1, Exceptions.

Exception No. 2: Psychiatric security rooms shall not be required to have receptacle outlets installed in the room.

Exception No. 3: *[For OSHPD 1, 2 & 3] Hospital grade receptacles shall not be required in patient sleeping areas in nursing homes.*

EDITORIALLY AMEND 517-30 AS FOLLOWS TO INDICATE PLACEMENT OF THE 1998 CEC CALIFORNIA AMENDMENT INTO THE FOLLOWING 1999 NEC FORMAT:

Article 517 Health Care Facilities C. Essential Electrical System

517-30. Essential Electrical Systems for Hospitals.

- (a) Applicability. ...**
- (b) General. ...**

- (6) Hospital power sources and alternate power sources shall be permitted to serve the essential electrical systems of contiguous or same site facilities.

~~(6)~~ (7) *[For OSHPD 1, 2 & 4] All automatic transfer switches in general acute care hospitals and correctional treatment centers providing optional services shall have provisions for electrically by-passing and isolating the transfer switch. The by-pass switch shall be capable of by-passing loads to the emergency source or normal source if the selected by-pass source voltage is available.*

EDITORIALLY AMEND ARTICLE 517-50 TO INDICATE PLACEMENT OF THE 1998 CEC CALIFORNIA AMENDMENT INTO THE FOLLOWING 1999 NEC FORMAT:

Article 517 Health Care Facilities C. Essential Electrical System

517-50. Essential Electrical Systems for Clinics, Medical and Dental Offices, and Other Health Care Facilities Not Covered in Sections 517-30, 517-40, and 517-45.

- (a) Applicability. ...**
- (b) Connection.**
- (c) Alternate Source of Power.**

(1)* Power Source. The alternate source of power for the system shall be specifically designed for this purpose and shall be either a generator, battery system, or self-contained battery integral with the equipment. Where electrical life-support equipment is required, the essential electrical system shall be as required in Sections 517-30 through 517-35.

Exception No. 2 1: *[For OSHPD 1, 2, 3 & 4] Licensed ambulatory surgical clinics shall be provided with a generator with on-site fuel.*

- (2) System Capacity. ...**

EDITORIALLY AMEND ARTICLE 680-62 TO INDICATE PLACEMENT OF THE 1998 CEC CALIFORNIA AMENDMENT IN TO THE FOLLOWING 1999 NEC FORMAT:

Article 680 Swimming Pools, Fountains, and Similar Installations F. Pools for Therapeutic Use

680-62 Therapeutic Tubs (Hydrotherapeutic Tanks). ...

(g) Receptacles. All receptacles within 5 ft. (1.52 m) of a therapeutic tub shall be protected by a ground-fault circuit interrupter.

(1) *[For OSHPD 1, 2 & 4] Receptacles and light switches shall not be installed within shower rooms or stalls or be accessible from within these areas. Receptacles and switches shall not be installed within 5 feet (1.52 m) of the perimeter of bathtubs.*

Section 108 – POWERS AND DUTIES OF BUILDING OFFICIAL

108.1 General. ...

108.1.1 Application—Vesting Authority. When adopted by a state agency, the provisions of these regulations shall be enforced by the appropriate enforcing agency, but only to the extent of authority granted to such agency by the state legislature.

108.1.1.12 *[For OSHPD] Office of Statewide Health Planning and Development.*

108.1.1.12.3 *[For OSHPD 3]*

Application—Licensed cGlinics.

Enforcing Authority—Local Building Departments.

Enforcing Authority—Local Building Departments

Authority Cited—H&SC §446.2, 446.3, and 1226.

Reference—H&SC §446.2, 446.3, and 1226, GC §54350, H&SC §150771.1 and State Constitution Article 11 §7.

**AMEND 1998 CALIFORNIA PLUMBING CODE AS
FOLLOWS:**

Title 24, Part 5 California Code of Regulations

Chapter 1—Administration

101.11 Application.

[For OSHPD 3]--

Application—Licensed cClinics.

Enforcing Authority—Local Building Departments.

Enforcing Authority—Local Building Departments

Authority Cited—H&SC §§127010, 127015 H&SC §446.2, 446.3, and 1226.

Reference—H&SC §§127010, 127015 H&SC §446.2, 446.3, and 1226, GC §54350, H&SC §150771.1 and State Constitution Article 11 §7.

* * *
(END OF ITEM)

ITEM 26
SFM 3/99 & HCD 3/99
APPROVE As Amended
per Comment 2 in the
December 1999 Monograph,
page 133

PART 2, CHAPTER 12
PART 3, CHAPTER 6, ARTICLE 625.1

REPEAL AS FOLLOWS ARTICLE 625.1 AS ADOPTED BY SFM:

REPEAL ARTICLE 625 OF THE 1998 CALIFORNIA ELECTRICAL CODE AS ADOPTED BY HCD:

ARTICLE 625.1—ELECTRIC VEHICLE CHARGING SYSTEM EQUIPMENT

A. General

625-1.1 Scope. ~~The provisions of this article cover the electrical conductors and equipment external to an electric vehicle that connect an electric vehicle to a supply of electricity by conductive or inductive means, and the installation of equipment and devices related to electric vehicle charging.~~

~~(FPN): For industrial trucks, see Powered Industrial Trucks, NFPA 505-1992.~~

625-2.1 Definitions.

Electric Vehicle. ~~An automotive-type vehicle for highway use, such as passenger automobiles, buses, trucks, vans, and the like, primarily powered by an electric motor that draws current from a rechargeable storage battery, fuel cell, photovoltaic array, or other source of electric current. For the purpose of this article, electric motorcycles and similar type vehicles and off-road self-propelled electric vehicles such as industrial trucks, hoists, lifts, transports, golf carts, airline ground support equipment, tractors, boats, and the like, are not included.~~

Electric Vehicle Connector. ~~A conductive or inductive device that, by insertion into an inlet on the electric vehicle, establishes connection to an electric vehicle.~~

Electric Vehicle Nonvented Storage Battery. ~~A hermetically sealed battery comprised of one or more rechargeable electrochemical cells that has no provision for release of excessive gas pressure, or the addition of water or electrolyte, or for external measurements of electrolyte specific gravity.~~

Electric Vehicle Supply Equipment. ~~The conductors, including the ungrounded, grounded, and equipment grounding conductors, the electric vehicle connectors, attachment plugs, and all other fittings, devices, power outlets or apparatuses installed specifically for the purpose of delivering energy from the premises wiring to the electric vehicle.~~

625-3.1 Other Articles. ~~Wherever the requirements of other articles of this code and Article 625 differ, the requirements of Article 625 shall apply.~~

625-4.1 Voltages. ~~Unless other voltages are specified, the nominal AC system voltages of 120, 120/240, 208Y/120, 240, 480Y/277, 480, 600Y/347 and 600 volts shall be used to supply equipment covered by this article.~~

B. Wiring Methods

625-9.1 Electric Vehicle Connectors. ~~The electric vehicle connectors shall comply with (a) through (d) below.~~

~~(a) The electric vehicle connectors shall be polarized and shall have a configuration that is noninterchangeable with receptacles in other electrical systems. Approved electric vehicle connectors protected by a system of double insulation or its equivalent in accordance with Article 250 shall be noninterchangeable with grounding type electric vehicle connectors.~~

~~(b) The electric vehicle connectors shall be constructed and installed so as to guard against inadvertent contact by persons with parts made live from the electric vehicle supply equipment or the electric vehicle batteries.~~

~~(c) The coupling of the electric vehicle connector and inlet shall be provided with a positive means to prevent unintentional disconnection.~~

~~(d) An electric vehicle supply connector shall be provided with a grounding pole that shall be the first to make and the last to break contact with the mating inlet.~~

~~Exception: Electric vehicle connectors protected by an isolated system or its equivalent in accordance with Article 250.~~

C. Equipment Construction

625-13.1 Electric Vehicle Supply Equipment. ~~This equipment shall be permitted to be fastened in place or cord-and-plug-connected. The equipment shall have no exposed live parts.~~

625-14.1 Rating. ~~Electric vehicle supply equipment shall have sufficient rating to supply the load served. For the purposes of this article, electric vehicle charging loads shall be considered to be continuous loads.~~

625-15.1 Markings. ~~The electric vehicle supply equipment shall be marked: "For Use With Electric Vehicles."~~

625-16.1 Means of Coupling. ~~The means of coupling to the vehicle shall be either conductive or inductive. Attachment plugs, cord connectors, couplings, and inlets shall be approved for the purpose intended.~~

625-17.1 Cable. ~~The electric vehicle supply equipment cable shall be type EV, EVJ, EVE, EVJE, EVT or EVJT flexible cable as specified in Article 400 and Table 400-4. Ampacities shall be as specified in Table 400-5(A) for No. 10 and smaller and Table 400-5(B) for No. 8 and larger. The overall length of the cable shall not exceed 25 feet (7.625m) and installed without mid-cord couplings. Other cable types and assemblies approved as being suitable for the purpose~~

~~including optional hybrid communication, signal, and optical fiber cables shall be permitted.~~

625-18.1 Interlock. ~~Electric vehicle supply equipment shall be provided with an interlock that de-energizes the electric vehicle connector and its cable whenever the electric connector is uncoupled from the electric vehicle.~~

~~Exception: Portable cord and plug-connected electric vehicle supply equipment for connection to receptacle outlets rated at 125 volts, single phase, 15 and 20 amperes.~~

625-19.1 Automatic De-energization of Cable. ~~The electric vehicle supply equipment or the cable/connector combination of the equipment shall be provided with an automatic means to de-energize the cable conductors and electric vehicle connector upon exposure to strain, which could result in either cable rupture or separation of the cable from the electric connector and exposure of live parts.~~

~~Exception: Portable cord and plug-connected electric vehicle supply equipment for connection to receptacle outlets rated at 125 volts, single phase, 15 and 20 amperes.~~

D. Control and Protection

625-21.1 Overcurrent Protection. ~~Overcurrent protection for feeders and branch circuits supplying electric vehicle supply equipment shall be sized for continuous duty and shall have a rating of not less than 125 percent of the maximum load of the electric vehicle supply equipment. Where noncontinuous loads are supplied from the same feeder or branch circuit, the overcurrent device shall have a rating of not less than the sum of the noncontinuous loads plus 125 percent of the continuous loads.~~

625-22.1 Ground-Fault Protection for Personnel. ~~The electric vehicle supply equipment shall have an approved system of protection against electric shock of personnel. When a current to ground exceeds some predetermined value that is less than the current required to operate the overcurrent protective device of the supply circuit, the system shall de-energize the electric vehicle supply equipment within an established period of time. Where cord and plug-connected electric vehicle supply equipment is used, the ground-fault interrupter protection for personnel shall be an integral part of the attachment plug or shall be located in the power supply cable not more than 12 inches (305mm) from the attachment plug.~~

625-23.1 Disconnecting Means. ~~For electric vehicle supply equipment, rated more than 60 amperes or more than 150 volts to ground, the disconnecting means shall be provided and installed in a readily accessible location and within sight of electric charging connector. The disconnecting means shall be capable of being locked in the open position if not in sight of the equipment.~~

625-24.1 Grounding. ~~All electrical equipment and installations shall be bonded and grounded in accordance with Article 250.~~

625-25.1 Loss of Primary Source. ~~Means shall be provided such that upon loss of voltage from the utility or other electric system(s), energy cannot be backfed through the electric vehicle supply equipment to the premises wiring system. The electric vehicle shall not be permitted to serve as a standby power supply.~~

E. Electric Vehicle Supply Equipment Locations

625-28.1 Hazardous (Classified) Locations. ~~Where electric vehicle supply equipment or wiring is installed in a hazardous location, the requirements of Articles 500 through 516 shall apply.~~

625-29.1 Indoor Sites. ~~Indoor sites shall include, but not be limited to integral, attached and detached residential garages, enclosed and underground parking structures, repair and nonrepair commercial garages, and agricultural buildings.~~

(a) Location. ~~The electric vehicle supply equipment shall be located to permit direct connection to the electric vehicle.~~

(b) Height. ~~Unless specifically approved for the purpose and location, the coupling means of the electric vehicle supply equipment shall be stored or located at a height of not less than 18 inches (0.46m) and not more than 48 inches (1.22m) above the floor level.~~

(c) Ventilation. ~~Where required, mechanical ventilation shall be provided as specified in the Building Code.~~

625-30. Outdoor Sites. ~~Outdoor sites, where permitted, shall include but not be limited to residential carports and driveways, curbside, open parking structures, parking lots and commercial charging facilities.~~

(a) Location. ~~The electric vehicle supply equipment shall be located to permit direct connection to the electric vehicle.~~

(b) Height. ~~Unless specifically approved for the purpose and location, the coupling means of electric vehicle supply equipment shall be stored or located at a height of not less than 24 inches (0.61m) and not more than 48 inches (1.22m) above the parking surface.~~

ADOPT/AMEND AS FOLLOWS ARTICLE 625 OF THE 1999 NATIONAL ELECTRICAL CODE OF THE NFPA:

ARTICLE 625 - ELECTRIC VEHICLE CHARGING SYSTEM EQUIPMENT

Article 625 - Electric Vehicle Charging System

A. General

625-1. Scope. The provisions of this article cover the electrical conductors and equipment external to an electric vehicle that connect an electric vehicle to a supply of electricity by conductive or inductive means, and the installation of equipment and devices related to electric vehicle charging.

(FPN): For industrial trucks, see Fire Safety Standard for Powered Industrial Trucks Including Type Designations, Areas of Use, Conversions, Maintenance, and Operation, NFPA 505-1996.

625-2. Definitions.

Electric Vehicle. An automotive-type vehicle for highway use, such as passenger automobiles, buses, trucks, vans, and the like, primarily powered by an electric motor that draws current from a rechargeable storage battery, fuel cell, photovoltaic array, or other source of electric current. For the purpose of this article, electric motorcycles and similar type vehicles and off-road self-propelled electric vehicles such as industrial trucks, hoists, lifts, transports, golf carts, airline ground support equipment, tractors, boats, and the like, are not included.

Electric Vehicle Connector. A device that by insertion into an electric vehicle inlet, establishes an electrical connection to the electric vehicle for the purpose of charging and information exchange. This is part of the electric vehicle coupler.

Electric Vehicle Coupler. A mating electric vehicle inlet and electric vehicle connector set.

Electric Vehicle Inlet. The device on the electric vehicle into which the electric vehicle connector is inserted for charging and information exchange. This is part of the electric vehicle coupler. For the purposes of this Code, the electric vehicle inlet is considered to be part of the electric vehicle and not part of the electric vehicle supply equipment.

Electric Vehicle Nonvented Storage Battery. A hermetically-sealed battery comprised of one or more rechargeable electrochemical cells that has no provision for release of excessive gas pressure, or the addition of water or electrolyte, or for external measurements of electrolyte specific gravity.

Electric Vehicle Supply Equipment. The conductors, including the ungrounded, grounded, and equipment grounding conductors and the electric vehicle connectors, attachment plugs, and all other fittings, devices, power outlets or apparatuses installed specifically for the purpose of delivering energy from the premises wiring to the electric vehicle.

Personnel Protection System. A system of personnel protection devices and constructional features that when used together provide protection against electric shock of personnel.

625-3. Other Articles. Wherever the requirements of other articles of this Code and Article 625 differ, the requirements of Article 625 shall apply.

625-4. Voltages. Unless other voltages are specified, the nominal ac system voltages of 120, 120/240, 208Y/120, 240, 480Y/277, 480, 600Y/347 and 600 volts shall be used to supply equipment covered by this article.

625-5. Listed or Labeled. All electrical materials, devices, fittings, and associated equipment shall be listed or labeled.

B. Wiring Methods

625-9. Electric Vehicle Coupler. The electric vehicle coupler shall comply with (a) through (f).

(a) Polarization. The electric vehicle coupler shall be polarized unless part of a system identified and listed as suitable for the purpose.

(b) Noninterchangeability. The electric vehicle coupler shall have a configuration that is noninterchangeable with wiring devices in other electrical systems. Nongrounding-type electric vehicle couplers shall not be interchangeable with grounding-type electric vehicle couplers.

(c) Construction and Installation. The electric vehicle coupler shall be constructed and installed so as to guard against inadvertent contact by persons with parts made live from the electric vehicle supply equipment or the electric vehicle battery.

(d) Unintentional Disconnection. The electric vehicle coupler shall be provided with a positive means to prevent unintentional disconnection.

(e) Grounding Pole. The electric vehicle coupler shall be provided with a grounding pole, unless part of a system identified and listed as suitable for the purpose in accordance with Article 250.

(f) Grounding Pole Requirements. If a grounding pole is provided, the electric vehicle coupler shall be designed so that the grounding pole connection is the first to make and the last to break contact.

C. Equipment Construction

625-13. Electric Vehicle Supply Equipment. Electric vehicle supply equipment rated at 125 volt, single phase, 15 or 20 amperes or part of a system identified and listed as suitable for the purpose and meeting the requirements of Sections 625-18, 625-19, and 625-29 shall be permitted to be cord-and-plug connected. All other electric vehicle supply equipment shall be permanently connected and fastened in place. This equipment shall have no exposed live parts.

625-14. Rating. Electric vehicle supply equipment shall have sufficient rating to supply the load served. For the purposes of this article, electric vehicle charging loads shall be considered to be continuous loads.

625-15. Markings. The electric vehicle supply equipment shall comply with (a) through (c).

(a) General. All electric vehicle supply equipment shall be marked by the manufacturer "For Use With Electric Vehicles."

(b) Ventilation Not Required. Where marking is required by Section 625-29(c), the electric vehicle supply equipment shall be clearly marked by the manufacturer

"Ventilation Not Required." The marking shall be located so as to be clearly visible after installation.

(c) Ventilation Required. Where marking is required by Section 625-29(d), the electric vehicle supply equipment shall be clearly marked by the manufacturer "Ventilation Required." The marking shall be located so as to be clearly visible after installation.

625-16. Means of Coupling. The means of coupling to the electric vehicle shall be either conductive or inductive. Attachment plugs, electric vehicle connectors, and electric vehicle inlets shall be listed or labeled for the purpose.

625-17. Cable. The electric vehicle supply equipment cable shall be Type EV, EVJ, EVE, EVJE, EVT or EVJT flexible cable as specified in Article 400 and Table 400-4. Ampacities shall be as specified in Table 400-5(A) for No. 10 and smaller and Table 400-5(B) for No. 8 and larger. The overall length of the cable shall not exceed 25 feet (7.63m). Other cable types and assemblies listed as being suitable for the purpose, including optional hybrid communications, signal, and optical fiber cables, shall be permitted.

625-18. Interlock. Electric vehicle supply equipment shall be provided with an interlock that de-energizes the electric vehicle connector and its cable whenever the electric vehicle connector is uncoupled from the electric vehicle. An interlock shall not be required for portable cord- and plug-connected electric vehicle supply equipment intended for connection to receptacle outlets rated 125 volts, single phase, 15 and 20 amperes.

625-19. Automatic De-energization of Cable. The electric vehicle supply equipment or the cable-connector combination of the equipment shall be provided with an automatic means to de-energize the cable conductors and electric vehicle connector upon exposure to strain that could result in either cable rupture or separation of the cable from the electric vehicle connector and exposure of live parts. Automatic means to de-energize the cable conductors and electric vehicle connector shall not be required for portable cord- and plug-connected electric vehicle supply equipment intended for connection to receptacle outlets rated at 125 volts, single phase, 15 and 20 amperes.

D. Control and Protection

625-21. Overcurrent Protection. Overcurrent protection for feeders and branch circuits supplying electric vehicle supply equipment shall be sized for continuous duty and shall have a rating of not less than 125 percent of the maximum load of the electric vehicle supply equipment. Where noncontinuous loads are supplied from the same feeder or branch circuit, the overcurrent device shall have a rating of not less than the sum of the noncontinuous loads plus 125 percent of the continuous loads.

625-22. Personnel Protection System. The electric vehicle supply equipment shall have a listed system of protection against electric shock of personnel. The personnel protection system shall be composed of listed personnel protection devices and constructional features. Where cord-

and plug-connected electric vehicle supply equipment is used, the interrupting device of a listed personnel protection system shall be provided and shall be an integral part of the attachment plug or shall be located in the power supply cable not more than 12 inches (305mm) from the attachment plug.

625-23. Disconnecting Means. For electric vehicle supply equipment, rated more than 60 amperes or more than 150 volts to ground, the disconnecting means shall be provided and installed in a readily accessible location. The disconnecting means shall be capable of being locked in the open position.

625-25. Loss of Primary Source. Means shall be provided such that upon loss of voltage from the utility or other electric system(s), energy cannot be backfed through the electric vehicle supply equipment to the premises wiring system. The electric vehicle shall not be permitted to serve as a standby power supply.

E. Electric Vehicle Supply Equipment Locations

625-28. Hazardous (Classified) Locations. Where electric vehicle supply equipment or wiring is installed in a hazardous (classified) location, the requirements of Articles 500 through 516 shall apply.

625-29. Indoor Sites. Indoor sites shall include, but not be limited to, integral, attached and detached residential garages; enclosed and underground parking structures; repair and nonrepair commercial garages; and agricultural buildings.

(a) Location. The electric vehicle supply equipment shall be located to permit direct connection to the electric vehicle.

(b) Height. Unless specifically listed for the purpose and location, the coupling means of the electric vehicle supply equipment shall be stored or located at a height of not less than 18 inches (457mm) and not more than 4 feet (1.22m) above the floor level.

(c) Ventilation Not Required. Where electric vehicle nonvented storage batteries are used or where the electric vehicle supply equipment is listed or labeled as suitable for charging electric vehicles indoors without ventilation and marked in accordance with Section 625-15(b), mechanical ventilation shall not be required.

(d) Ventilation Required. Where the electric vehicle supply equipment is listed or labeled as suitable for charging electric vehicles that require ventilation for indoor charging and marked in accordance with Section 625-15(c), mechanical ventilation, such as a fan, shall be provided as specified in the California Building Code. The ventilation...

625-30. Outdoor Sites. Outdoor sites shall include, but not be limited to, residential carports and driveways, curbside, open parking structures, parking lots, and commercial charging facilities.

(a) Location. The electric vehicle supply equipment shall be located to permit direct connection to the electric vehicle.

(b) Height. Unless specifically listed for the purpose and location, the coupling means of electric vehicle supply equipment shall be stored or located at a height of not less than 24 inches (610 mm) and not more than 4 feet (1.22 m) above the parking surface.

AMEND CHAPTER 12 OF THE 1998 CALIFORNIA BUILDING CODE AS FOLLOWS:

1202.2.7.1 Electric Vehicle Charging. In Group S, Division 3 parking garages with an area used for charging electric vehicles, ventilation, if required by the California Electrical Code, shall be provided in accordance with Section 1202.2.7 or Table 12-A, whichever is greater. For supply voltages and currents specified in Table 12-A, the minimum ventilation requirements in cubic feet per minute (cfm) shall be as specified in Table 12-A for each of the total number of electric vehicles that can be charged at one time. This table allows for sufficient ventilation for any configuration of electric vehicle supply equipment and electric vehicle charging space. The ventilation shall include both supply and exhaust equipment and shall be permanently installed and located to intake from, and vent directly to, the outdoors. Positive pressure ventilation systems shall only be permitted in buildings or areas that have been specifically designed and approved for that application. The supply circuit to the mechanical ventilation equipment shall be electrically interlocked with the electric vehicle supply equipment and shall remain energized during the entire electric vehicle charging cycle. Electric vehicle supply equipment shall be marked in accordance with the California Electrical Code.

Exceptions: 1. Ventilation shall not be required in areas with an engineered ventilation system approved by the building official which maintains a gas-air mixture which is less than 25 percent of the lower flammability limits.

2. Additional mechanical ventilation for hydrogen shall not be required where the charging equipment is installed and ~~approved~~ listed as suitable for indoor charging of electric vehicles without ventilation.

SECTION 1206 -- LIGHTING AND VENTILATION IN GROUP U OCCUPANCIES

1206.1 In private garages used for charging electric vehicles, ventilation, if required by the California Electrical Code, shall be provided in accordance with Table 12-A. For supply voltages and currents specified in Table 12-A, the minimum ventilation requirements in cubic feet per minute (cfm) shall be as specified in Table 12-A for each of the total number of electric vehicles that can be charged at one time. This table allows for sufficient ventilation for any configuration of electric vehicle supply equipment and electric vehicle charging space. The ventilation shall include both supply and exhaust equipment and shall be permanently installed and located to intake from, and vent directly to, the outdoors. Positive pressure ventilation systems shall only be permitted in buildings or areas that have been specifically designed and approved for that application. The supply circuit to the

mechanical ventilation equipment shall be electrically interlocked with the electric vehicle supply equipment and shall remain energized during the entire electric vehicle charging cycle. Electric vehicle supply equipment shall be marked in accordance with the California Electrical Code.

Exceptions: 1. Ventilation shall not be required in areas with sufficient natural ventilation or other engineered ventilating system approved by the building official which maintains a gas-air mixture which is less than 25 percent of the lower flammability limit.

2. Additional mechanical ventilation for hydrogen gas shall not be required where the charging equipment is installed and ~~approved~~ listed as suitable for indoor charging of electric vehicles without ventilation.

* * *
(END OF ITEM)

ITEM 27 **APPROVE AS AMENDED**
OSHPD 12-99
PART 3, ARTICLE 517
PART 4
PART 5, CHAPTER 3, (NEW) SECTION

REGULATORY REFORM AMENDMENTS

NOTE: This item contains 6 sub-items. Sub-items are as follows:

1. Amend Part 3, Sections 517-33 & 517-43
2. Repeal Part 4, Section 410.2
3. Repeal Part 4, Section 1407, Adopt Part 5, New Section 320 (Postponed)
4. Amend Part 4, Tables 11-A & 11-B (Further Study)
5. Adopt Part 5, New Section 413.1a

SUB-ITEM 27-1 **APPROVE As Submitted in**
the September 1999
Monograph, page 141
PART 3, ARTICLE 517

AMEND SECTIONS 517-33 & 517-43 AS FOLLOWS:

ARTICLE 517
HEALTH FACILITIES

517-33. Critical Branch.

(a) Task Illumination and Selected Receptacles. The critical branch of the emergency system shall supply power for task illumination, fixed equipment, selected receptacles, and special power circuits serving the following areas and functions related to patient care.

(1) Critical care ...

(10) [For OSHPD 1, 2, 3 & 4] Sensor operated fixtures when used to comply with Table 4-2, California Plumbing Code.

517-43. Connection to Critical Branch. ...

(a) Delayed Automatic Connection. The following equipment shall be connected to the critical branch and shall be arranged for delayed automatic connection to the alternate power source:

(1) Patient care ...

(7) [For OSHPD 1, 2, 3 & 4] Sensor operated fixtures when used to comply with Table 4-2, California Plumbing Code.

SUB-ITEM 27-2 **APPROVE As Submitted in**
the September 1999
Monograph, page 142
PART 4, CHAPTER 4
SECTION 410

REPEAL SECTION 410.2 AS FOLLOWS:

CHAPTER 4
VENTILATION AIR SUPPLY

Section 410 – Kitchen and Dining Areas [FOR OSHPD 1, 2, 3 & 4]

410.1 The air from dining areas may be used to ventilate the food preparation areas only after it has passed through a filter with at least an 80 percent average efficiency.

EXCEPTION: For skilled nursing facilities, intermediate care facilities and correctional treatment centers, the air from dining areas may be used to ventilate food preparation areas only after it has passed through a filter with a 50 percent average efficiency.

~~410.2 Exhaust hoods in food preparation centers shall have a minimum exhaust rate of 100 cubic foot per minute (47.2 L/s) per 1 square foot (0.929 m²) of hood face area. The exhaust rate may be reduced for approved engineered hoods.~~

SUB-ITEM 27-5 **APPROVE As Submitted in**
the September 1999
Monograph, page 146
PART 5, CHAPTER 4
SECTION 413

AMEND SECTION 413 AS FOLLOWS:

CHAPTER 4
PLUMBING FIXTURES AND FIXTURE FITTINGS

413.0 Minimum Number of Required Fixtures

413.1 Fixture Count. Plumbing fixtures shall be provided for the type of building occupancy and in the minimum number shown in Table 4-1.

413.1a [For OSHPD 1, 2, 3 & 4] **Fixture Count.** Plumbing fixtures shall be provided for the type of building occupancy and in the minimum number shown in Table 4-1 and Table 4-2.

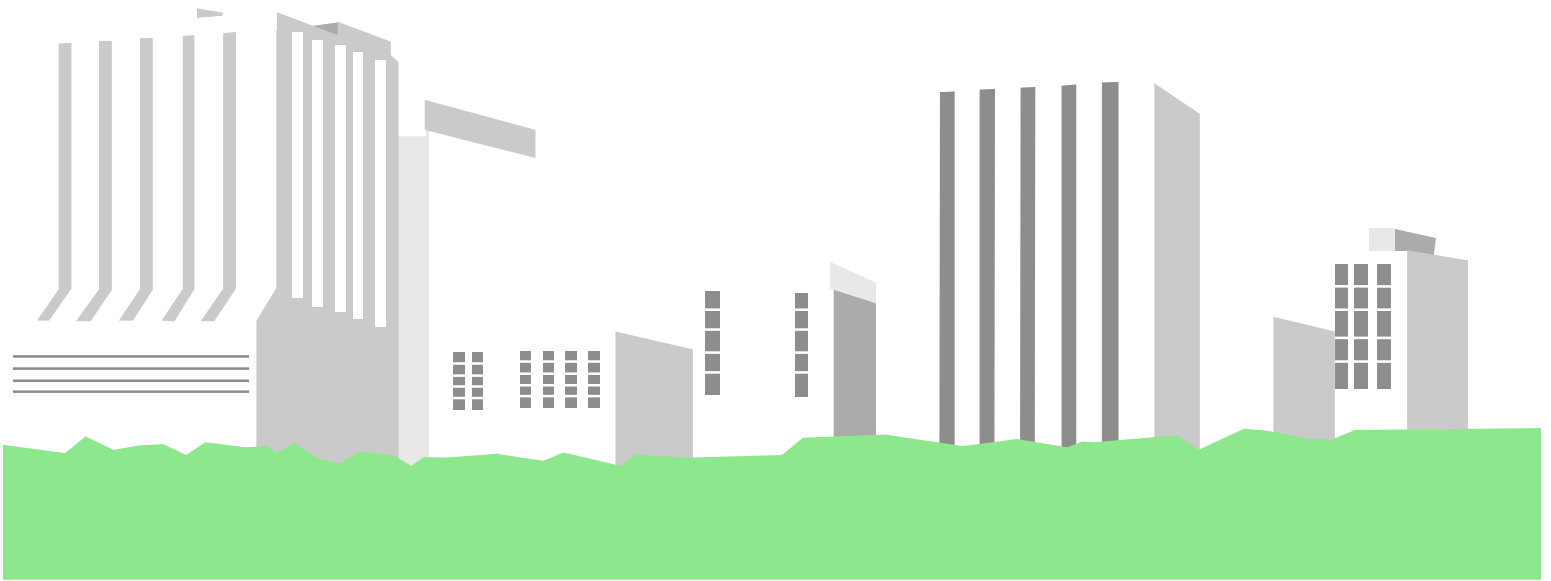
* * *
(END OF ITEM)

BLANK PAGE

Part 4

California Building Standards

Mechanical Code



BLANK PAGE

ITEM 28
OSHPD 5/99
PART 4, CHAPTER 3

APPROVED As Submitted
in the September 1999
Monograph, page 151

AMEND AS FOLLOWS SECTION 315, TABLE 315:

CHAPTER 3 GENERAL REQUIREMENTS

Section 315—AIR CONDITIONING AND HEATING SYSTEMS

315.2 Requirements for Skilled Nursing Facilities, Intermediate Care Facilities and Basic Services Provided in Correctional Treatment Centers. [For OSHPD 2 & 4] ...

315.3 Requirements for Outpatient Facilities and Licensed Clinics. [For OSHPD 3]

315.3.1 The system shall be designed to provide the temperature and humidities for sensitive areas or rooms shown in Table 315.

TABLE 315—HEATING AND COOLING

| AREA OR ROOM DESIGNATION | TEMPERATURE RANGE ^{1,2} | RELATIVE HUMIDITY ^{1,3} |
|---|--|---|
| | °F | Percent |
| Operating room | 68-73 70-76 [†] | 30-50 60 |
| Cystoscopy | 68-73 | 30-60 |
| Cardiac cath lab | 70-75 | 30-60 |
| Delivery room | 68-73 70-76 [†] | 30-50 60 |
| Recovery room | 70-76 | 30-50 60 |
| Nursery (full term) Newborn nursery | 75 70-76 | 30-50 60 |
| Nursery (special care) Intensive-care newborn nursery | 75 76-80 [†] | 30-50 60 [†] |
| Intensive care | 70-80 [†] 75 | 30-60 |

¹ Thermostats and humidistats shall be either locally resettable and of the non-locking type or remotely resettable and of the locking type. ~~Air-conditioning systems shall have the capability of maintaining listed conditions over the entire range under both winter and summer design conditions.~~

² Where temperature ranges are indicated, the system shall be capable of maintaining the rooms at any point within the range. A single figure indicates a heating or cooling capacity of at least the indicated temperature. Temperatures different than those shown will be allowed when approved by the authority having jurisdiction.

³ The ranges listed are the minimum and maximum limits where control is specifically needed.

* * *

(END OF ITEM)

ITEM 29 **APPROVED As Submitted**
OSHPD 8/99 **in the September 1999**
 Monograph, page 153

PART 4, CHAPTER 4

**AMEND AS FOLLOWS SECTION 406 – VENTILATION
 SYSTEM DETAILS:**

**CHAPTER 4
 VENTILATION SUPPLY AND RETURN LOCATIONS
 CYSTOSCOPY AND CARDIAC CATHETERIZATION
 LABS**

406.4 Air Circulation.

406.4.1 *Air shall be introduced at the cleanest areas and removed at the dirtiest areas in order to reduce changes of airborne cross infection as follows:*

406.4.1.1 *Air supplied to ~~sensitive areas, including operating rooms, cardiac cath labs, cystoscopy rooms,~~ delivery rooms and nurseries, shall be delivered at or near the ceiling of the area served, and all air removed from the area shall be removed near floor level. At least two exhaust or re-circulation air inlets shall be used in all operating and delivery rooms and shall be located not less than 3 inches (76 mm) nor more than 8 inches (203 mm) above the finished floor.*

EXCEPTION: For negative-pressure isolation rooms and positive-pressure isolation rooms, see Section 413 and 414.

* * *
(END OF ITEM)

ITEM 30
OSHDP 11/99
PART 4, TABLE 4-A

APPROVED As Submitted
in the September 1999
Monograph, page 154

AMEND AS FOLLOWS TABLE 4-A (FOR OSHDP 1, 2, 3 & 4):

CHAPTER 4
VENTILATION AIR SUPPLY

TABLE 4-A --PRESSURE RELATIONSHIP AND VENTILATION REQUIREMENTS
FOR GENERAL ACUTE CARE HOSPITALS, SKILLED NURSING FACILITIES, INTERMEDIATE CARE FACILITIES,
CORRECTIONAL TREATMENT CENTERS, OUTPATIENT FACILITIES AND LICENSED CLINICS

| A | B | C | D | E | F |
|--|---|--|--|---|--|
| AREA DESIGNATION | AIR BALANCE RELATION- SHIP TO ADJACENT AREAS | MINIMUM AIR CHANGES IF 100% O.S.A. | CONDITIONED AIR NOT 100% O.S.A. | | ALL AIR EXHAUSTED DIRECTLY TO OUTDOORS |
| | | | Minimum Air Changes of Outdoor Air per Hour | Minimum Total Air Changes per Hour | |
| Operating room cardiac cath lab and Cystoscopy | P ² | 12 | 5 | 20 | -- |
| Patient holding_/ preparation | E | 6 | 2 | 6 | -- |
| Delivery room | P | 12 | 5 | 20 | -- |
| Nursery | P | 8 | 3 | 12 | -- |
| Recovery | E | 6 | 2 | 6 | Yes |
| Intensive/coronary care | P | 6 | 2 | 6 | -- |
| Emergency department ¹ | | | | | |
| Waiting area | N | 10 | 2 | 10 | Yes ² |
| Operating room | P | 12 | 5 | 20 | -- |
| Treatment room | E | 6 | 2 | 6 | -- |
| Trauma room ³ | P | 12 | 5 | 20 | -- |
| Patient room | E | 2 | 2 | 4 | -- |
| Patient area corridor | E | 2 | 2 | 4 | -- |
| Labor/delivery/recovery room | E | 2 | 2 | 4 | -- |
| Negative-pressure isolation room | N ⁴ | 12 | 2 | 12 | Yes |
| Negative-pressure isolation anteroom | P ⁴ | 10 | 2 | 10 | Yes |
| Positive-pressure isolation room | P ⁵ | 15 | 2 | 15 | -- |

| A | B | C | D | E | F |
|--|---|---|--|---|---|
| AREA DESIGNATION | AIR BALANCE RELATION- SHIP TO ADJACENT AREAS | MINIMUM AIR CHANGES IF 100% O.S.A. | CONDITIONED AIR NOT 100% O.S.A. | | ALL AIR EXHAUSTED DIRECTLY TO OUTDOORS |
| | | | Minimum Air Changes of Outdoor Air per Hour | Minimum Total Air Changes per Hour | |
| <i>Positive-pressure isolation anteroom</i> | <i>N⁶</i> | 15 | 2 | 15 | -- |
| <i>Treatment and examination Rooms</i> | <i>E</i> | 6 | 2 | 6 | -- |
| <i>Bronchoscopy and Endoscopy</i> | <i>N</i> | 12 | 2 | 12 | Yes |
| <i>Special purpose room (SNF & ICF only)</i> | <i>E</i> | 6 | 2 | 6 | Yes |
| <i>Radiology Imaging X-ray (diagnostic and treatment)</i> | <i>E</i> | 6 | 2 | 6 | -- |
| <i>CT Scan</i> | <i>E</i> | 6 | 2 | 6 | -- |
| <i><u>MRI room</u></i> | <i>E</i> | 6 | 2 | 6 | -- |
| <i>Fluoroscopy room</i> | <i>N</i> | 6 | 2 | 6 | Yes |
| <i>Dark room</i> | <i>N</i> | 12 | 2 | 12 | Yes |
| <i>Negative-pressure x-ray room</i> | <i>N</i> | 12 | 2 | 12 | Yes |
| <i><u>Gamma Camera</u></i> | <i>E</i> | 6 | 2 | 6 | -- |
| <i>Bedpan room</i> | <i>N</i> | -- | -- | 10 | Yes |
| <i>Bathroom</i> | <i>N</i> | -- | -- | 10 | Yes |
| <i>Janitor's closet</i> | <i>N</i> | -- | -- | 10 | Yes |
| <i>Sterilizer equipment room</i> | <i>N</i> | -- | -- | 10 | Yes |
| <i>Sub-sterile room</i> | <i>E</i> | 10 | 2 | 10 | Yes |
| <i>Linen and trash chute rooms</i> | <i>N</i> | -- | -- | 10 | Yes |
| <i>Food preparation centers</i> | <i>E</i> | 10 | 2 | 10 | Yes |
| <i>Dining room</i> | <i>E</i> | 10 | 2 | 10 | -- |
| <i>Dishwashing room</i> | <i>N</i> | -- | -- | 10 | Yes |
| <i>Dietary day storage</i> | <i>E</i> | -- | -- | 2 | -- |
| <i>Laundry, general (clean and dirty)</i> | <i>E</i> | 10 | 2 | 10 | Yes |
| <i>Soiled linen sorting and Storage</i> | <i>N</i> | -- | -- | 10 | Yes |
| <i>Clean linen storage</i> | <i>P</i> | 2 | 2 | 2 | -- |

| A | B | C | D | E | F |
|--|---|---|--|---|---|
| AREA DESIGNATION | AIR BALANCE RELATION- SHIP TO ADJACENT AREAS | MINIMUM AIR CHANGES IF 100% O.S.A. | CONDITIONED AIR NOT 100% O.S.A. | | ALL AIR EXHAUSTED DIRECTLY TO OUTDOORS |
| | | | Minimum Air Changes of Outdoor Air per Hour | Minimum Total Air Changes per Hour | |
| Anesthesia storage | E | 8 | -- | 8 | Yes |
| Central medical and Surgical supply: | | | | | |
| Soiled or decontamination room | N | 4 | 2 | 4 | Yes |
| Clean workroom | P | 4 | 2 | 4 | -- |
| Unsterile supply | E | 2 | 2 | 2 | -- |
| Pharmacy/medicine room | P | 2 | 2 | 4 | -- |
| Laboratory | | | | | |
| General | N | 6 | 2 | 6 | -- |
| Biochemistry | P | 6 | 2 | 6 | -- |
| Cytology | N | 6 | 2 | 6 | Yes |
| Glass washing | N | 10 | 2 | 10 | Yes |
| Histology | N | 6 | 2 | 6 | Yes |
| Microbiology | N | 6 | 2 | 6 | Yes |
| Nuclear medicine | N | 6 | 2 | 6 | Yes |
| Pathology | N | 6 | 2 | 6 | Yes |
| Serology | P | 6 | 2 | 6 | -- |
| Sterilizing | N | 10 | 2 | 10 | Yes |
| Media transfer | P | 4 | 2 | 4 | -- |
| Infectious disease and virus | N | 6 | 2 | 6 | Yes |
| Bacteriology | N | 6 | 2 | 6 | Yes |
| Negative-pressure Treatment/exam room | N | 12 | 2 | 12 | Yes |
| Physical therapy and Hydrotherapy | N | 6 | 2 | 6 | -- |
| Soiled workroom (utility room) | N | 4 | 2 | 10 | Yes |
| Clean workroom | P | 4 | 2 | 6 | -- |
| Autopsy | N | 12 | 2 | 12 | Yes |
| Toilet room | N | -- | -- | 10 | Yes |
| Shower room | N | -- | -- | 10 | Yes |
| Waiting area, primary care clinic | N | 10 | 2 | 10 | Yes ² |

¹The pressure relationship of the entire emergency department shall be negative to other adjacent areas.

²Air may be recirculated if a high-efficiency particulate air (HEPA) filter with a minimum efficiency of 99.97 percent is installed in the return air duct which serves the waiting area.

³The term trauma room as used here is the operating room space in the emergency department or other trauma reception area that is used for emergency surgery. The first aid room and/or emergency room used for initial treatment of accident victims may

be ventilated as noted for the treatment rooms.

⁴The anteroom shall have positive air pressure in relation to the negative-pressure isolation room. A door louver, transfer grille, or other acceptable means shall be provided to allow for airflow from the anteroom to the negative pressure isolation room. The negative-pressure isolation room shall have negative pressure in relation to the anteroom, and the adjoining toilet room shall have negative pressure in relation to the negative-pressure isolation room. Negative pressure shall be achieved by balancing the exhaust cfm to no less than 75 cfm (35.4 L/s) greater than the supply cfm. The overall area consisting of the anteroom, negative-pressure isolation room, and adjoining toilet room shall have an equal air pressure in relation to the corridor.

EXCEPTION: For correctional treatment centers, the location and design of the air transfer device shall not compromise the safety, security, and protection of staff, inmates, and property.

⁵Positive-pressure shall be achieved by balancing the supply cfm to not less than 75 cfm (35.4 L/s) greater than the exhaust and return cfm.

⁶The anteroom shall have negative air pressure in relation to the positive-pressure isolation room. A door louver, transfer grille, or other acceptable means shall be provided to allow for airflow from the positive pressure isolation room to the anteroom. The positive-pressure isolation room shall have positive-pressure in relation to the anteroom and adjoining toilet room. Positive pressure shall be achieved by balancing the supply cfm to not less than 75 cfm (35.4 L/s) greater than the exhaust and return cfm. The overall area consisting of the anteroom, positive-pressure isolation room, and adjoining toilet room shall have an equal air pressure in relation to the corridor.

EXCEPTION: For correctional treatment centers, the location and design of the air transfer device shall not compromise the safety, security, and protection of staff, inmates, and property.

P = Positive E=Equal N=Negative

⁷ Cystoscopy may have equal air balance relationship to adjacent areas when approved by authority having jurisdiction

